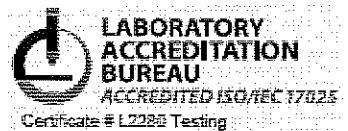




UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CHICAGO REGIONAL LABORATORY

536 SOUTH CLARK STREET
CHICAGO, ILLINOIS 60605



Date: 11/29/2011

Subject: Review of Region 5 Data for Blue Island Phenols

From: Danielle Kleinmaier
Region 5 Chicago Regional Laboratory

To: RCRA, LCD, US EPA Region 5
77 West Jackson Boulevard
Chicago, IL 60604

The data being transmitted under this cover memo successfully passed CRL's internal data review procedures as documented in our current Quality Management Plan (QMP) and appropriate Standard Operating Procedures (SOPs). Please be aware that CRL does not perform data validation which is based on your data quality objectives. This function must be performed independently of the laboratory generating the data.

Results in this report represent only the samples analyzed.

Please have the U.S. EPA Project Manager/Officer call the CRL Sample Coordinator at (312) 353-0375 for any comments or questions.

Attached are Results for: Blue Island Phenols

/ /

Data Management Coordinator and Date Received

Date Transmitted: ____ / ____ / ____

Analyses included in this report:

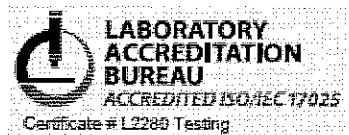
SVOA Expanded List

TCLP - SVOA by end-over-end rotator extraction



Environmental Protection Agency Region 5 Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591



RCRA, LCD, US EPA Region 5
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Project: Blue Island Phenols
Project Number: [none]
Project Manager: Mike Beedle

Reported:
Nov-29-11 11:26

Analysis: SVOA

Matrix: water/soil

Project: Blue Island Phenols

Work Order #: 1109008

Analyst: Danielle Kleinmaier

Analyst Phone Number: 312.353.9771

Date: 11/4/2011

General Information

Six water samples were received for the Toxicity Characteristic Leaching Procedure (TCLP) of Semi-Volatile Organic Analysis (SVOA) compounds and one soil sample was received for SVOA by Accelerated Solvent Extraction (ASE) on September 13th, 2011. All holding times were met.

The samples were received above the allowable preservation temperature of 6°C, but since they arrived at the laboratory within hours of being taken, it was determined that preservation was ultimately unnecessary.

Sample preparation and analysis occurred via the Chicago Regional Laboratory standard operating procedures (CRL SOPs) GEN019 Revision # 2.2 and MS026 Revision # 7.0.

Sample Analysis and Results

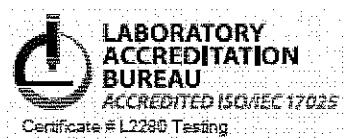
Phase separation occurred in the soil sample container (BIP-6, LIMS ID 1109008-06). A representative sub-sample was obtained by separating the solid and liquid fractions, sub-sampling from each individual fraction, and then combining the sub-sampled fractions for extraction. The resulting extract was then concentrated down to 50 mL and analyzed instead of the customary 1 mL since a large amount of phenol was expected. No surrogate or matrix spike recovery was expected for this sample due to the 50 mL final extract volume. Therefore, no field sample data will be qualified based on the surrogate or matrix spike recoveries.

Phase separation also occurred in one of the water sample containers (BIP-7, LIMS ID 1109008-07). The aqueous phase was filtered, as per the TCLP SOP, extracted, and then analyzed, but the oil-like organic phase was simply diluted and analyzed. Since the organic phase was not extracted, no surrogates were spiked into that fraction of the sample. New LIMS IDs were generated for each separated phase. The aqueous phase was reported as LIMS ID 1109008-08 and the organic phase was reported as LIMS ID 1109008-09. Since there were no positive target compound (TC) results in either phase to sum, LIMS ID 1109008-07 does not appear in the report.



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Project Manager: Mike Beedle

Reported:
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Phenol and acetophenone were reported from the soil sample (BIP-6, LIMS ID 1109008-06).

Phenol was detected in water samples BIP-1 (LIMS ID 1109008-01), BIP-3 (LIMS ID 1109008-03), BIP-4 (LIMS ID 1109008-04), BIP-5 (LIMS ID 1109008-05), and BIP-7 (LIMS ID 1109008-08). Acetophenone was detected in water samples BIP-4 (LIMS ID 1109008-04), BIP-5 (LIMS ID 1109008-05), and BIP-7 (LIMS ID 1109008-08 and -09). Phenanthrene and anthracene were also detected in water sample BIP-7 (LIMS ID 1109008-08). Although the mass spectrometer was calibrated for these compounds, none of them could be reported as the CRL has no historical data for non-TCLP SVOA TCs extracted by the end-over-end rotator extraction method.

No TCLP TCs were detected in any of the water samples.

Quality Controls

Instrument Performance Check

The benzidine tailing factor in the last DFTPP injection for the 10/25/11 sequence (6C11102540.D) failed the instrument performance check criteria. The instrument sensitivity for the basic compounds analyzed after said failed tailing factor was demonstrated by a 1 ng/uL calibration standard injection at the end of the sequence. Only 4-chloroaniline and 1,3,5-trinitrobenzene could not be recovered in this injection. Those TCs were not detected in the sample or any of its dilutions. The dilutions of the sample were injected before the failed tailing factor and so the reporting limits (RLs) for 4-chloroaniline and 1,3,5-trinitrobenzene were reported from the 10x dilutions.

The benzidine tailing factor also failed the instrument performance check criteria in the DFTPP injection for the 10/31/11 sequence (6C11103101.D). The instrument sensitivity for the basic TCLP compounds analyzed after said failed tailing factor was demonstrated by the same 1 ng/uL calibration standard injection at the end of the sequence. All basic TCLP compounds were recovered.

Initial Calibration (ICAL)

ASE:

The initial RLs for n-nitrosopyrrolidine, 2,4-dichlorophenol, and 4,6-dinitro-2-methylphenol were raised from 33 ug/kg to 167 ug/kg and the initial RL for 2,4-dinitrophenol was raised from 167 ug/kg to 833 ug/kg in the report for all the field and QC samples. The lower calibration points were eliminated from the ICAL curves.

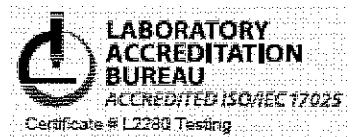
TCLP:

The initial RL for pentachlorophenol was raised from 0.025 mg/L to 0.125 mg/L in the report for all the field and QC samples. The lower calibration points were eliminated from the ICAL curve.



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Continuing Calibration Verification (CCV)

The CCV injections bracketing the injections of all the field and QC samples analyzed on 10/25/11 exceeded the % difference (%D) criteria of $\leq 25\%$ for pentachlorophenol. The CCV injections bracketing the undiluted injections of BIP-6 (LIMS ID 1109008-06) also exceeded the %D criteria for 2,4,6-tribromophenol.

The CCV injections bracketing the injections of the TCLP sample dilutions analyzed on 10/31/11 exceeded the %D criteria for pentachlorophenol.

Results for all of these compounds were flagged as estimated ('J') in the report.

Blank Spike Recovery

ASE:

In both the blank spike and blank spike duplicate of batch B110002, di-n-butylphthalate, benzidine, and 3,3'-dimethylbenzidine appear in the report as unrecovered. The RLs for these three compounds are at the same concentration level as the blank spike QC samples. Di-n-butylphthalate and benzidine were detected in the blank spike samples and have calculated recoveries within their respective control limits (CLs). 3,3'-Dimethylbenzidine was also detected in the blank spike samples, but has calculated recoveries below its published CLs. None of these TCs were detected in the field sample and the negative results for 3,3'-dimethylbenzidine were flagged as estimated ('J') in the report.

TCLP:

In both the blank spike and blank spike duplicate of batch B110004, pentachlorophenol has recoveries above its published CLs. The positive results for this compound were flagged as biased high ('K') in the report.

Surrogate Recovery

ASE:

All of the surrogate recoveries in both blank QC samples (B110002-BLK1 & -BLK2) failed low of the published CLs except for one. All of the results for these two blank samples were flagged as estimated ('J') in the report.

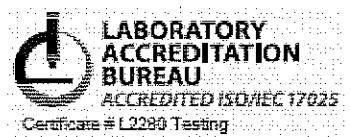
TCLP:

Two acid surrogates failed low of the published CLs in BIP-1 (LIMS ID 1109008-01) and three acid surrogates failed low in BIP-2 (LIMS ID 1109008-02) and in B110004-BLK1. The acid results for these samples were flagged as estimated ('J') in the report.



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Three acid surrogates and two base/neutral surrogates failed low of the published CLs in BIP-3 (LIMS ID 1109008-03). All of the results for this sample were flagged as estimated ('J') in the report.

Two base/neutral surrogates were not detected in BIP-7 (LIMS ID 1109008-08). The base/neutral results for this sample were rejected.

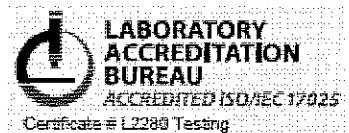
All other quality controls not mentioned here passed the SOP criteria.

Signature _____ Date _____



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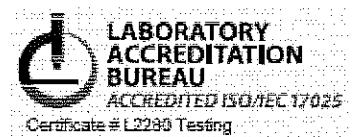
ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BIP-1	1109008-01	Water	Sep-13-11 09:15	Sep-13-11 15:11
BIP-2	1109008-02	Water	Sep-13-11 09:21	Sep-13-11 15:11
BIP-3	1109008-03	Water	Sep-13-11 09:29	Sep-13-11 15:11
BIP-4	1109008-04	Water	Sep-13-11 10:07	Sep-13-11 15:11
BIP-5	1109008-05	Water	Sep-13-11 10:18	Sep-13-11 15:11
BIP-6	1109008-06	Soil	Sep-13-11 10:28	Sep-13-11 15:11
BIP-7, 9008-07 aqueous phase	1109008-08	Water	Sep-13-11 11:17	Sep-13-11 15:11
BIP-7, 9008-07 oil phase	1109008-09	Soil	Sep-13-11 11:17	Sep-13-11 15:11



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Project: Blue Island Phenols
 Project Number: [none]
 Project Manager: Mike Beadle

Reported:
 Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

BIP-1 (1109008-01) Water Sampled: Sep-13-11 09:15 Received: Sep-13-11 15:11

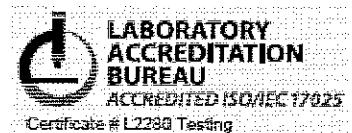
Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Pyridine	U			0.12	mg/L	1	B110004	Sep-23-11	Oct-26-11
2-Methylphenol	U	J		0.024	"	"	"	"	"
3- &/or 4-Methylphenol	U	J		0.049	"	"	"	"	"
Hexachloroethane	U			0.024	"	"	"	"	"
Nitrobenzene	U			0.024	"	"	"	"	"
Hexachlorobutadiene	U			0.024	"	"	"	"	"
2,4,6-Trichlorophenol	U	J		0.024	"	"	"	"	"
2,4,5-Trichlorophenol	U	J		0.024	"	"	"	"	"
2,4-Dinitrotoluene	U			0.024	"	"	"	"	"
Hexachlorobenzene	U			0.024	"	"	"	"	"
Pentachlorophenol	U	J		0.12	"	"	"	"	"

Surrogate: Pyridine-d5	0.14	23.6 %	20-73.9	"	"	"
Surrogate: 2-Fluorophenol	0.13	20.5 %	20-76.3	"	"	"
Surrogate: Phenol-d5	0.096	15.7 %	20-71.2	"	"	"
Surrogate: Nitrobenzene-d5	0.21	35.0 %	33.7-99.1	"	"	"
Surrogate: 2-Fluorobiphenyl	0.21	33.8 %	33.9-107	"	"	"
Surrogate: 2,4,6-Tribromophenol	0.23	37.8 %	51.9-125	"	"	"
Surrogate: Terphenyl-d14	0.52	85.0 %	50-134	"	"	"



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Project: Blue Island Phenols
Project Number: [none]
Project Manager: Mike Beedle

Reported:
Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

BIP-2 (1109008-02) Water Sampled: Sep-13-11 09:21 Received: Sep-13-11 15:11

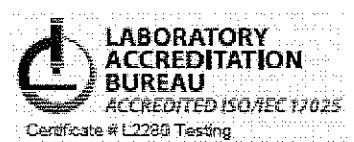
Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Pyridine	U			0.12	mg/L	1	B110004	Sep-23-11	Oct-26-11
2-Methylphenol	U	J		0.025	"	"	"	"	"
3- &/or 4-Methylphenol	U	J		0.049	"	"	"	"	"
Hexachloroethane	U			0.025	"	"	"	"	"
Nitrobenzene	U			0.025	"	"	"	"	"
Hexachlorobutadiene	U			0.025	"	"	"	"	"
2,4,6-Trichlorophenol	U	J		0.025	"	"	"	"	"
2,4,5-Trichlorophenol	U	J		0.025	"	"	"	"	"
2,4-Dinitrotoluene	U			0.025	"	"	"	"	"
Hexachlorobenzene	U			0.025	"	"	"	"	"
Pentachlorophenol	U	J		0.12	"	"	"	"	"

Surrogate: Pyridine-d5	0.14	23.2 %	20-73.9	"	"	"
Surrogate: 2-Fluorophenol	0.12	19.4 %	20-76.3	"	"	"
Surrogate: Phenol-d5	0.082	13.3 %	20-71.2	"	"	"
Surrogate: Nitrobenzene-d5	0.21	33.8 %	33.7-99.1	"	"	"
Surrogate: 2-Fluorobiphenyl	0.20	32.6 %	33.9-107	"	"	"
Surrogate: 2,4,6-Tribromophenol	0.20	31.6 %	51.9-125	"	"	"
Surrogate: Terphenyl-d14	0.52	84.4 %	50-134	"	"	"



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Reported:
 Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

BIP-3 (1109008-03) Water Sampled: Sep-13-11 09:29 Received: Sep-13-11 15:11

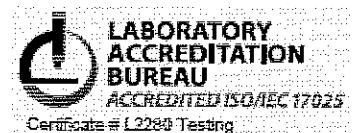
Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Pyridine	U	J		0.12	mg/L	1	B110004	Sep-23-11	Oct-26-11
2-Methylphenol	U	J		0.025	"	"	"	"	"
3- &/or 4-Methylphenol	U	J		0.049	"	"	"	"	"
Hexachloroethane	U	J		0.025	"	"	"	"	"
Nitrobenzene	U	J		0.025	"	"	"	"	"
Hexachlorobutadiene	U	J		0.025	"	"	"	"	"
2,4,6-Trichlorophenol	U	J		0.025	"	"	"	"	"
2,4,5-Trichlorophenol	U	J		0.025	"	"	"	"	"
2,4-Dinitrotoluene	U	J		0.025	"	"	"	"	"
Hexachlorobenzene	U	J		0.025	"	"	"	"	"
Pentachlorophenol	U	J		0.12	"	"	"	"	"

Surrogate: Pyridine-d5	0.15	23.8 %	20-73.9	"	"	"
Surrogate: 2-Fluorophenol	0.12	19.0 %	20-76.3	"	"	"
Surrogate: Phenol-d5	0.068	11.0 %	20-71.2	"	"	"
Surrogate: Nitrobenzene-d5	0.20	32.0 %	33.7-99.1	"	"	"
Surrogate: 2-Fluorobiphenyl	0.19	31.3 %	33.9-107	"	"	"
Surrogate: 2,4,6-Tribromophenol	0.24	38.1 %	51.9-125	"	"	"
Surrogate: Terphenyl-d14	0.53	85.7 %	50-134	"	"	"



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Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

BIP-4 (1109008-04) Water Sampled: Sep-13-11 10:07 Received: Sep-13-11 15:11

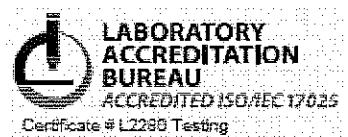
Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Pyridine	U			0.13	mg/L	1	B110004	Sep-23-11	Oct-26-11
2-Methylphenol	U			0.026	"	"	"	"	"
3- &/or 4-Methylphenol	U			0.051	"	"	"	"	"
Hexachloroethane	U			0.026	"	"	"	"	"
Nitrobenzene	U			0.026	"	"	"	"	"
Hexachlorobutadiene	U			0.026	"	"	"	"	"
2,4,6-Trichlorophenol	U			0.026	"	"	"	"	"
2,4,5-Trichlorophenol	U			0.026	"	"	"	"	"
2,4-Dinitrotoluene	U			0.026	"	"	"	"	"
Hexachlorobenzene	U			0.026	"	"	"	"	"
Pentachlorophenol	U	J		0.13	"	"	"	"	"

Surrogate: Pyridine-d5	0.020	3.12 %	20-73.9	"	"	"
Surrogate: 2-Fluorophenol	0.20	31.4 %	20-76.3	"	"	"
Surrogate: Phenol-d5	0.0	%	20-71.2	"	"	"
Surrogate: Nitrobenzene-d5	0.28	43.7 %	33.7-99.1	"	"	"
Surrogate: 2-Fluorobiphenyl	0.29	45.6 %	33.9-107	"	"	"
Surrogate: 2,4,6-Tribromophenol	0.43	66.4 %	51.9-125	"	"	"
Surrogate: Terphenyl-d14	0.47	73.9 %	50-134	"	"	"



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Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

BIP-5 (1109008-05) Water Sampled: Sep-13-11 10:18 Received: Sep-13-11 15:11

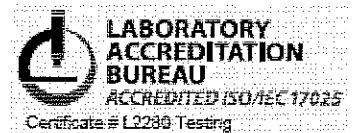
Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Pyridine	U			0.13	mg/L	1	B110004	Sep-23-11	Oct-26-11
2-Methylphenol	U			0.025	"	"	"	"	"
3- &/or 4-Methylphenol	U			0.051	"	"	"	"	"
Hexachloroethane	U			0.025	"	"	"	"	"
Nitrobenzene	U			0.025	"	"	"	"	"
Hexachlorobutadiene	U			0.025	"	"	"	"	"
2,4,6-Trichlorophenol	U			0.025	"	"	"	"	"
2,4,5-Trichlorophenol	U			0.025	"	"	"	"	"
2,4-Dinitrotoluene	U			0.025	"	"	"	"	"
Hexachlorobenzene	U			0.025	"	"	"	"	"
Pentachlorophenol	U	J		0.13	"	"	"	"	"

Surrogate: Pyridine-d5	0.017		2.68 %	20-73.9	"	"	"		
Surrogate: 2-Fluorophenol	0.19		30.0 %	20-76.3	"	"	"		
Surrogate: Phenol-d5	0.0		%	20-71.2	"	"	"		
Surrogate: Nitrobenzene-d5	0.29		45.4 %	33.7-99.1	"	"	"		
Surrogate: 2-Fluorobiphenyl	0.29		45.8 %	33.9-107	"	"	"		
Surrogate: 2,4,6-Tribromophenol	0.40		63.4 %	51.9-125	"	"	"		
Surrogate: Terphenyl-d14	0.48		76.3 %	50-134	"	"	"		



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Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

BIP-6 (1109008-06) Soil Sampled: Sep-13-11 10:28 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
N-Nitrosodimethylamine	U			20800	ug/kg dry	1	B110002	Sep-20-11	Oct-27-11
Pyridine	U			1.05E5	"	"	"	"	"
2-Picoline	U			1.05E5	"	"	"	"	"
N-Nitrosomethylalkylamine	U			1.05E5	"	"	"	"	"
N-Nitrosodiethylamine	U			20800	"	"	"	"	"
Ethyl methanesulfonate	U			20800	"	"	"	"	"
Aniline	U			1.05E5	"	"	"	"	"
Phenol	1.98E7			2.08E5	"	10	"	"	Oct-26-11
Pentachloroethane	U			20800	"	1	"	"	Oct-27-11
Bis(2-chloroethyl)ether	U			20800	"	"	"	"	"
2-Chlorophenol	U			20800	"	"	"	"	"
1,3-Dichlorobenzene	U			1.05E5	"	"	"	"	"
1,4-Dichlorobenzene	U			1.05E5	"	"	"	"	"
1,2-Dichlorobenzene	U			1.05E5	"	"	"	"	"
2-Methylphenol	U			20800	"	"	"	"	"
Bis(2-chloroisopropyl)ether	U			20800	"	"	"	"	"
N-Nitrosopyrrolidine	U			1.05E5	"	"	"	"	"



Environmental Protection Agency Region 5
Chicago Regional Laboratory

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RCRA, LCD, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project: Blue Island Phenols
Project Number: [none]
Project Manager: Mike Beedle

Reported:
Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

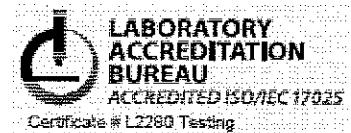
BIP-6 (1109008-06) Soil Sampled: Sep-13-11 10:28 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Acetophenone	4.76E6			2.08E5	ug/kg dry	10	B110002	Sep-20-11	Oct-26-11
N-Nitroso-di-n-propylamine	U			20800	"	1	"	"	Oct-27-11
o-Toluidine	U			20800	"	"	"	"	"
3-&/or 4-Methylphenol	U			42200	"	"	"	"	"
Hexachloroethane	U			1.05E5	"	"	"	"	"
Nitrobenzene	U			20800	"	"	"	"	"
N-Nitrosopiperidine	U			20800	"	"	"	"	"
Isophorone	U			20800	"	"	"	"	"
2-Nitrophenol	U			20800	"	"	"	"	"
2,4-Dimethylphenol	U			1.05E5	"	"	"	"	"
Bis(2-chloroethoxy)methane	U			20800	"	"	"	"	"
2,4-Dichlorophenol	U			1.05E5	"	"	"	"	"
1,2,4-Trichlorobenzene	U			1.05E5	"	"	"	"	"
Naphthalene	U			20800	"	"	"	"	"
2,6-Dichlorophenol	U			20800	"	"	"	"	"
4-Chloroaniline	U			1.05E6	"	10	"	"	Oct-26-11
Hexachloropropene	U			20800	"	1	"	"	Oct-27-11



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Project Manager: Mike Beedle

Reported:
Nov-29-11 11:12:6

Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

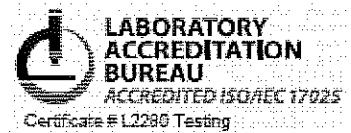
BIP-6 (1109008-06) Soil Sampled: Sep-13-11 10:28 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Hexachlorobutadiene	U			1.05E5	ug/kg dry	1	B110002	Sep-20-11	Oct-27-11
N-Nitrosodi-n-butylamine	U			20800	"	"	"	"	"
4-Chloro-3-methylphenol	U			20800	"	"	"	"	"
Safrole	U			20800	"	"	"	"	"
2-Methylnaphthalene	U			20800	"	"	"	"	"
Hexachlorocyclopentadiene	U			1.05E5	"	"	"	"	"
1,2,4,5-Tetrachlorobenzene	U			20800	"	"	"	"	"
2,4,6-Trichlorophenol	U			20800	"	"	"	"	"
2,4,5-Trichlorophenol	U			20800	"	"	"	"	"
Isosafrole	U			20800	"	"	"	"	"
2-Chloronaphthalene	U			20800	"	"	"	"	"
2-Nitroaniline	U			20800	"	"	"	"	"
Dimethylphthalate	U			20800	"	"	"	"	"
1,3-Dinitrobenzene	U			20800	"	"	"	"	"
2,6-Dinitrotoluene	U			20800	"	"	"	"	"
Acenaphthylene	U			20800	"	"	"	"	"



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Project Manager: Mike Beedle

Reported:
Nov-29-11 11:12:00

Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

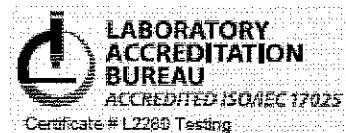
BIP-6 (1109008-06) Soil Sampled: Sep-13-11 10:28 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
3-Nitroaniline	U			1.05E5	ug/kg dry	1	B110002	Sep-20-11	Oct-27-11
Acenaphthene	U			20800	"	"	"	"	"
2,4-Dinitrophenol	U			5.25E5	"	"	"	"	"
Pentachlorobenzene	U			20800	"	"	"	"	"
4-Nitrophenol	U			1.05E5	"	"	"	"	"
Dibenzofuran	U			20800	"	"	"	"	"
2,4-Dinitrotoluene	U			20800	"	"	"	"	"
2,3,4,6-Tetrachlorophenol	U			20800	"	"	"	"	"
Diethylphthalate	U			20800	"	"	"	"	"
Fluorene	U			20800	"	"	"	"	"
4-Chlorophenylphenyl ether	U			20800	"	"	"	"	"
5-Nitro-o-toluidine	U			20800	"	"	"	"	"
4-Nitroaniline	U			1.05E5	"	"	"	"	"
4,6-Dinitro-2-methylphenol	U			1.05E5	"	"	"	"	"
Diphenylamine	U			20800	"	"	"	"	"
Azobenzene	U			20800	"	"	"	"	"



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Project Manager: Mike Beedle

Reported:
Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

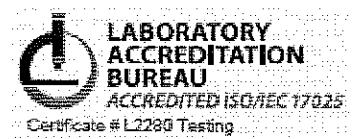
BIP-6 (1109008-06) Soil Sampled: Sep-13-11 10:28 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
1,3,5-Trinitrobenzene	U			1.05E6	ug/kg dry	10	B110002	Sep-20-11	Oct-26-11
Diallate (cis or trans)	U			20800	"	1	"	"	Oct-27-11
Phenacetin	U			20800	"	"	"	"	"
4-Bromophenyl phenyl ether	U			20800	"	"	"	"	"
Hexachlorobenzene	U			20800	"	"	"	"	"
Pentachlorophenol	U	J		1.05E5	"	"	"	"	"
Pentachloronitrobenzene	U			20800	"	"	"	"	"
Pronamide	U			20800	"	"	"	"	"
Phenanthrene	U			20800	"	"	"	"	"
Dinoseb	U			20800	"	"	"	"	"
Anthracene	U			20800	"	"	"	"	"
Carbazole	U			20800	"	"	"	"	"
Di-n-butylphthalate	U			5.25E5	"	"	"	"	"
Isodrin	U			1.05E5	"	"	"	"	"
Fluoranthene	U			20800	"	"	"	"	"
Benzidine	U			5.25E5	"	"	"	"	"



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Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

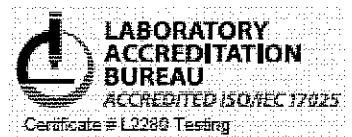
BIP-6 (1109008-06) Soil Sampled: Sep-13-11 10:28 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Pyrene	U			20800	ug/kg dry	1	B110002	Sep-20-11	Oct-27-11
p-Dimethylaminoazobenzene	U			20800	"	"	"	"	"
Chlorobenzilate	U			20800	"	"	"	"	"
3,3'-Dimethylbenzidine	U	J		5.25E5	"	"	"	"	"
Butylbenzylphthalate	U			20800	"	"	"	"	"
2-Acetylaminofluorene	U			20800	"	"	"	"	"
Benzo (a) anthracene	U			20800	"	"	"	"	"
3,3'-Dichlorobenzidine	U			1.05E5	"	"	"	"	"
Chrysene	U			20800	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	U			1.05E5	"	"	"	"	"
Di-n-octylphthalate	U			1.05E5	"	"	"	"	"
Benzo(b)fluoranthene	U			20800	"	"	"	"	"
Benzo(k)fluoranthene	U			20800	"	"	"	"	"
Benzo(a)pyrene	U			20800	"	"	"	"	"
3-Methylchianthrene	U			20800	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	U			20800	"	"	"	"	"



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Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

BIP-6 (1109008-06) Soil Sampled: Sep-13-11 10:28 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Dibenz(a,h)anthracene	U			20800	ug/kg dry	1	B110002	Sep-20-11	Oct-27-11
Benzo(g,h,i)perylene	U			1.05E5	"	"	"	"	"
Surrogate: 2-Fluorophenol	0.00			%	57.3-118	"	"	"	"
Surrogate: Phenol-d5	0.00			%	60.3-125	"	"	"	"
Surrogate: Nitrobenzene-d5	0.00			%	51.4-111	"	"	"	"
Surrogate: 2-Fluorobiphenyl	0.00			%	55.2-115	"	"	"	"
Surrogate: 2,4,6-Tribromophenol	0.00	J		%	61.6-122	"	"	"	"
Surrogate: Terphenyl-d14	11100			106 %	68.8-129	"	"	"	"

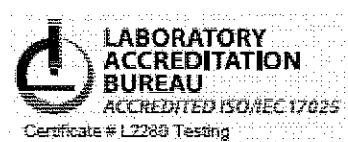
BIP-7, 9008-07 aqueous phase (1109008-08) Water Sampled: Sep-13-11 11:17 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Pyridine	Rejected			0.12	mg/L	1	B110004	Sep-23-11	Oct-26-11
2-Methylphenol	U			0.025	"	"	"	"	"
3- &/ or 4-Methylphenol	U			0.049	"	"	"	"	"
Hexachloroethane	Rejected			0.025	"	"	"	"	"
Nitrobenzene	Rejected			0.025	"	"	"	"	"
Hexachlorobutadiene	Rejected			0.025	"	"	"	"	"
2,4,6-Trichlorophenol	U			0.025	"	"	"	"	"
2,4,5-Trichlorophenol	U			0.025	"	"	"	"	"



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Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

BIP-7, 9008-07 aqueous phase (1109008-08) Water Sampled: Sep-13-11 11:17 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
2,4-Dinitrotoluene	Rejected			0.025	mg/L	1	B110004	Sep-23-11	Oct-26-11
Hexachlorobenzene	Rejected			0.025	"	"	"	"	"
Pentachlorophenol	U	J		0.12	"	"	"	"	"
<i>Surrogate: Pyridine-d5</i>	0.0	%		20-73.9	"	"	"	"	"
<i>Surrogate: 2-Fluorophenol</i>	0.38	62.4 %		20-76.3	"	"	"	"	"
<i>Surrogate: Phenol-d5</i>	0.0	%		20-71.2	"	"	"	"	"
<i>Surrogate: Nitrobenzene-d5</i>	0.0	%		33.7-99.1	"	"	"	"	"
<i>Surrogate: 2-Fluorobiphenyl</i>	0.48	77.7 %		33.9-107	"	"	"	"	"
<i>Surrogate: 2,4,6-Tribromophenol</i>	0.58	94.0 %		51.9-125	"	"	"	"	"
<i>Surrogate: Terphenyl-d14</i>	0.57	92.2 %		50-134	"	"	"	"	"

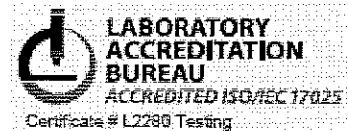
BIP-7, 9008-07 oil phase (1109008-09) Soil Sampled: Sep-13-11 11:17 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Pyridine	U			4400	mg/L	1	B110004	Sep-23-11	Oct-31-11
2-Methylphenol	U			880	"	"	"	"	"
3- & or 4-Methylphenol	U			1800	"	"	"	"	"
Hexachloroethane	U			880	"	"	"	"	"
Nitrobenzene	U			880	"	"	"	"	"
Hexachlorobutadiene	U			880	"	"	"	"	"
2,4,6-Trichlorophenol	U			880	"	"	"	"	"



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Project: Blue Island Phenols
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Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

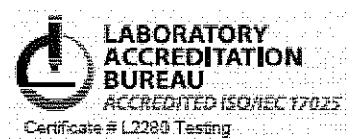
BIP-7, 9008-07 oil phase (1109008-09) Soil Sampled: Sep-13-11 11:17 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
2,4,5-Trichlorophenol	U			880	mg/L	1	B110004	Sep-23-11	Oct-31-11
2,4-Dinitrotoluene	U			880	"	"	"	"	"
Hexachlorobenzene	U			880	"	"	"	"	"
Pentachlorophenol	U	J		4400	"	"	"	"	"
Surrogate: Pyridine-d5	0.0			20-73.9	"	"	"	"	"
Surrogate: 2-Fluorophenol	0.0			20-76.3	"	"	"	"	"
Surrogate: Phenol-d5	0.0			20-71.2	"	"	"	"	"
Surrogate: Nitrobenzene-d5	0.0			33.7-99.1	"	"	"	"	"
Surrogate: 2-Fluorobiphenyl	0.0			33.9-107	"	"	"	"	"
Surrogate: 2,4,6-Tribromophenol	0.0			51.9-125	"	"	"	"	"
Surrogate: Terphenyl-d14	0.0			50-134	"	"	"	"	"



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Project Manager: Mike Beedle

Reported:
Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

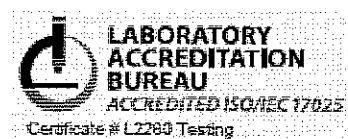
Batch B110002 - Solvent Extraction

Prepared: Sep-20-11 Analyzed: Oct-26-11										
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD
N-Nitrosodimethylamine	U	J		33.3	ug/kg wet					
Pyridine	U	J		169	"					
2-Picoline	U	J		169	"					
N-Nitrosomethylethylamine	U	J		169	"					
N-Nitrosodiethylamine	U	J		33.3	"					
Ethyl methanesulfonate	U	J		33.3	"					
Aniline	U	J		169	"					
Phenol	U	J		33.3	"					
Pentachloroethane	U	J		33.3	"					
Bis(2-chloroethyl)ether	U	J		33.3	"					
2-Chlorophenol	U	J		33.3	"					
1,3-Dichlorobenzene	U	J		169	"					
1,4-Dichlorobenzene	U	J		169	"					
1,2-Dichlorobenzene	U	J		169	"					
2-Methylphenol	U	J		33.3	"					
Bis(2-chloroisopropyl)ether	U	J		33.3	"					
N-Nitrosopyrrolidine	U	J		169	"					
Acetophenone	U	J		33.3	"					
N-Nitroso-di-n-propylamine	U	J		33.3	"					
o-Toluidine	U	J		33.3	"					
3-&/ or 4-Methylphenol	U	J		67.7	"					
Hexachloroethane	U	J		169	"					
Nitrobenzene	U	J		33.3	"					
N-Nitrosopiperidine	U	J		33.3	"					
Isophorone	U	J		33.3	"					
2-Nitrophenol	U	J		33.3	"					
2,4-Dimethylphenol	U	J		169	"					
Bis(2-chloroethoxy)methane	U	J		33.3	"					
2,4-Dichlorophenol	U	J		169	"					
1,2,4-Trichlorobenzene	U	J		169	"					
Naphthalene	U	J		33.3	"					
2,6-Dichlorophenol	U	J		33.3	"					
4-Chloroaniline	U	J		169	"					



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Project Manager: Mike Beedle

Reported:
Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Blank (B110002-BLK1)

Prepared: Sep-20-11 Analyzed: Oct-26-11

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Hexachloropropene	U	J		33.3	ug/kg wet						
Hexachlorobutadiene	U	J		169	"						
N-Nitrosodi-n-butylamine	U	J		33.3	"						
4-Chloro-3-methylphenol	U	J		33.3	"						
Safrole	U	J		33.3	"						
2-Methylnaphthalene	U	J		33.3	"						
Hexachlorocyclopentadiene	U	J		169	"						
1,2,4,5-Tetrachlorobenzene	U	J		33.3	"						
2,4,6-Trichlorophenol	U	J		33.3	"						
2,4,5-Trichlorophenol	U	J		33.3	"						
Isosafrole	U	J		33.3	"						
2-Chloronaphthalene	U	J		33.3	"						
2-Nitroaniline	U	J		33.3	"						
Dimethylphthalate	U	J		33.3	"						
1,3-Dinitrobenzene	U	J		33.3	"						
2,6-Dinitrotoluene	U	J		33.3	"						
Acenaphthylene	U	J		33.3	"						
3-Nitroaniline	U	J		169	"						
Acenaphthene	U	J		33.3	"						
2,4-Dinitrophenol	U	J		841	"						
Pentachlorobenzene	U	J		33.3	"						
4-Nitrophenol	U	J		169	"						
Dibenzofuran	U	J		33.3	"						
2,4-Dinitrotoluene	U	J		33.3	"						
2,3,4,6-Tetrachlorophenol	U	J		33.3	"						
Diethylphthalate	U	J		33.3	"						
Fluorene	U	J		33.3	"						
4-Chlorophenylphenyl ether	U	J		33.3	"						
5-Nitro-o-toluidine	U	J		33.3	"						
4-Nitroaniline	U	J		169	"						
4,6-Dinitro-2-methylphenol	U	J		169	"						
Diphenylamine	U	J		33.3	"						
Azobenzene	U	J		33.3	"						



Environmental Protection Agency Region 5
Chicago Regional Laboratory

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RCRA, LCD, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project: Blue Island Phenols
Project Number: [none]
Project Manager: Mike Beedle

Reported:
Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

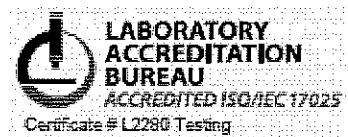
Batch B110002 - Solvent Extraction

Prepared: Sep-20-11 Analyzed: Oct-26-11											
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,3,5-Trinitrobenzene	U	J		169	ug/kg wet						
Diallate (cis or trans)	U	J		33.3	"						
Phenacetin	U	J		33.3	"						
4-Bromophenyl phenyl ether	U	J		33.3	"						
Hexachlorobenzene	U	J		33.3	"						
Pentachlorophenol	U	J		169	"						
Pentachlormitrobenzene	U	J		33.3	"						
Pronamide	U	J		33.3	"						
Phenanthrene	U	J		33.3	"						
Dinoseb	U	J		33.3	"						
Anthracene	U	J		33.3	"						
Carbazole	U	J		33.3	"						
Di-n-butylphthalate	U	J		841	"						
Isodrin	U	J		169	"						
Fluoranthene	U	J		33.3	"						
Benzidine	U	J		841	"						
Pyrene	U	J		33.3	"						
p-Dimethylaminoazhenzene	U	J		33.3	"						
Chlorohenzilate	U	J		33.3	"						
3,3'-Dimethylbenzidine	U	J		841	"						
Butylbenzylphthalate	U	J		33.3	"						
2-Acetylaminofluorene	U	J		33.3	"						
Benz(a)anthracene	U	J		33.3	"						
3,3'-Dichlorobenzidine	U	J		169	"						
Chrysene	U	J		33.3	"						
Bis(2-ethylhexyl)pbthalate	U	J		169	"						
Di-n-octylphthalate	U	J		169	"						
Benz(b)fluranthene	U	J		33.3	"						
Benz(k)fluranthene	U	J		33.3	"						
Benz(a)pyrene	U	J		33.3	"						
3-Methylcholanthrene	U	J		33.3	"						
Indeno(1,2,3-cd)pyrene	U	J		33.3	"						
Dibenz(a,b)anthracene	U	J		33.3	"						



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Project: Blue Island Phenols
 Project Number: [none]
 Project Manager: Mike Beedle

Reported:
 Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Blank (B110002-BLK1)

Prepared: Sep-20-11 Analyzed: Oct-26-11

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD RPD	RPD Limit
Benzo(g,h,i)perylene	U	J		169	ug/kg wet	"	841.5	38.6	57.3-118		
<i>Surrogate: 2-Fluorophenol</i>	325					"	841.5	37.7	60.3-125		
<i>Surrogate: Phenol-d5</i>	317					"	841.5	43.5	51.4-111		
<i>Surrogate: Nitrobenzene-d5</i>	366					"	841.5	44.5	55.2-115		
<i>Surrogate: 2-Fluorobiphenyl</i>	374					"	841.5	25.0	61.6-122		
<i>Surrogate: 2,4,6-Tribromophenol</i>	211					"	841.5	85.9	68.8-129		
<i>Surrogate: Terphenyl-d14</i>	723					"	841.5				

Blank (B110002-BLK2)

Prepared: Sep-20-11 Analyzed: Oct-26-11

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD RPD	RPD Limit
N-Nitrosodimethylamine	U	J		33.4	ug/kg wet	"					
Pyridine	U	J		169		"					
2-Picoline	U	J		169		"					
N-Nitrosomethylethylamine	U	J		169		"					
N-Nitrosodiethylamine	U	J		33.4		"					
Ethyl methanesulfonate	U	J		33.4		"					
Aniline	U	J		169		"					
Phenol	U	J		33.4		"					
Pentachloroethane	U	J		33.4		"					
Bis(2-chloroethyl)ether	U	J		33.4		"					
2-Chlorophenol	U	J		33.4		"					
1,3-Dichlorobenzene	U	J		169		"					
1,4-Dichlorobenzene	U	J		169		"					
1,2-Dichlorobenzene	U	J		169		"					
2-Methylphenol	U	J		33.4		"					
Bis(2-chloroisopropyl)ether	U	J		33.4		"					



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Project: Blue Island Phenols
 Project Number: [none]
 Project Manager: Mike Beedle

Reported:
 Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

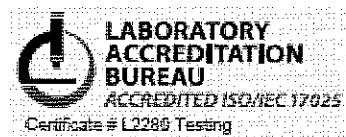
Batch B110002 - Solvent Extraction

Blank (B110002-BLK2)											Prepared: Sep-20-11 Analyzed: Oct-26-11				
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit				
N-Nitrosopyrrolidine	U	J		169	ug/kg wet										
Acetophenone	U	J		33.4	"										
N-Nitroso-di-n-propylamine	U	J		33.4	"										
o-Toluidine	U	J		33.4	"										
3-&/or 4-Methylphenol	U	J		67.9	"										
Hexachloroethane	U	J		169	"										
Nitrobenzene	U	J		33.4	"										
N-Nitrosopiperidine	U	J		33.4	"										
Isophorone	U	J		33.4	"										
2-Nitrophenol	U	J		33.4	"										
2,4-Dimethylphenol	U	J		169	"										
Bis(2-chloroethoxy)methane	U	J		33.4	"										
2,4-Dichlorophenol	U	J		169	"										
1,2,4-Trichlorobenzene	U	J		169	"										
Naphthalene	U	J		33.4	"										
2,6-Dichlorophenol	U	J		33.4	"										
4-Chloroaniline	U	J		169	"										
Hexachloropropene	U	J		33.4	"										
Hexachlorobutadiene	U	J		169	"										
N-Nitrosodi-n-butylamine	U	J		33.4	"										
4-Chloro-3-methylphenol	U	J		33.4	"										
Safrole	U	J		33.4	"										
2-Methylnaphthalene	U	J		33.4	"										
Hexachlorocyclopentadiene	U	J		169	"										
1,2,4,5-Tetrachlorobenzene	U	J		33.4	"										
2,4,6-Trichlorophenol	U	J		33.4	"										
2,4,5-Trichlorophenol	U	J		33.4	"										
Isosafrole	U	J		33.4	"										
2-Chloronaphthalene	U	J		33.4	"										
2-Nitroaniline	U	J		33.4	"										
Dimethylphthalate	U	J		33.4	"										
1,3-Dinitrobenzene	U	J		33.4	"										
2,6-Dinitrotoluene	U	J		33.4	"										



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Project: Blue Island Phenols
Project Number: [none]
Project Manager: Mike Beedle

Reported:
Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Blank (B110002-BLK2)

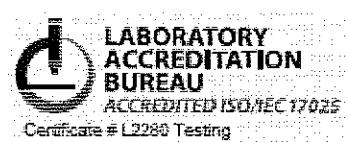
Prepared: Sep-20-11 Analyzed: Oct-26-11

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Spike Units	Source Level	Result	%REC	%REC Limits	RPD	RPD Limit
Acenaphthylene	U	J		33.4	ug/kg wet						
3-Nitroaniline	U	J		169	"						
Acenaphthene	U	J		33.4	"						
2,4-Dinitrophenol	U	J		844	"						
Pentachlorobenzene	U	J		33.4	"						
4-Nitrophenol	U	J		169	"						
Dibenzofuran	U	J		33.4	"						
2,4-Dinitrotoluene	U	J		33.4	"						
2,3,4,6-Tetrachlorophenol	U	J		33.4	"						
Diethylphthalate	U	J		33.4	"						
Fluorene	U	J		33.4	"						
4-Chlorophenylphenyl ether	U	J		33.4	"						
5-Nitro-o-toluidine	U	J		33.4	"						
4-Nitroaniline	U	J		169	"						
4,6-Dinitro-2-methylphenol	U	J		169	"						
Diphenylamine	U	J		33.4	"						
Azobenzene	U	J		33.4	"						
1,3,5-Trinitrobenzene	U	J		169	"						
Diallate (cis or trans)	U	J		33.4	"						
Phenacetin	U	J		33.4	"						
4-Bromophenyl phenyl ether	U	J		33.4	"						
Hexachlorobenzene	U	J		33.4	"						
Pentachlorophenol	U	J		169	"						
Pentachloronitrobenzene	U	J		33.4	"						
Pronamide	U	J		33.4	"						
Phenanthrone	U	J		33.4	"						
Dinosch	U	J		33.4	"						
Anthracene	U	J		33.4	"						
Carbazole	U	J		33.4	"						
Di-n-hutylphthalate	U	J		844	"						
Isodrin	U	J		169	"						
Fluoranthene	U	J		33.4	"						
Benzidine	U	J		844	"						



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Project: Blue Island Phenols
 Project Number: [none]
 Project Manager: Mike Beedle

Reported:
 Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Blank (B110002-BLK2)

Prepared: Sep-20-11 Analyzed: Oct-26-11

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Pyrene	U	J		33.4	ug/kg wet						
p-Dimethylaminoazobenzene	U	J		33.4	"						
Chlorobenzilate	U	J		33.4	"						
3,3'-Dimethylbenzidine	U	J		844	"						
Butylbenzylphthalate	U	J		33.4	"						
2-Acetylaminofluorene	U	J		33.4	"						
Benzo (a) anthracene	U	J		33.4	"						
3,3'-Dichlorobenzidine	U	J		169	"						
Chrysenc	U	J		33.4	"						
Bis(2-ethylhexyl)phthalate	U	J		169	"						
Di-n-octylphthalate	U	J		169	"						
Benzo(b)fluoranthene	U	J		33.4	"						
Benzo(k)fluoranthene	U	J		33.4	"						
Benzo(a)pyrene	U	J		33.4	"						
3-Methylcholanthrene	U	J		33.4	"						
Indeno(1,2,3-cd)pyrene	U	J		33.4	"						
Dibenz(a,h)anthracene	U	J		33.4	"						
Benzo(g,h,i)perylene	U	J		169	"						

Surrogate: 2-Fluorophenol	286		"	844.3		33.9	57.3-118
Surrogate: Phenol-d5	290		"	844.3		34.4	60.3-125
Surrogate: Nitrobenzene-d5	342		"	844.3		40.5	51.4-111
Surrogate: 2-Fluorobiphenyl	339		"	844.3		40.2	55.2-115
Surrogate: 2,4,6-Tribromophenol	221		"	844.3		26.2	61.6-122
Surrogate: Terphenyl-d14	741		"	844.3		87.7	68.8-129

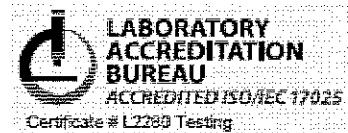
LCS (B110002-BS1)

Prepared: Sep-20-11 Analyzed: Oct-26-11



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RCRA, LCD, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project: Blue Island Phenols
Project Number: [none]
Project Manager: Mike Beedle

Reported:
Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

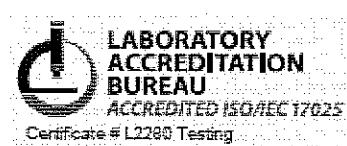
Batch B110002 - Solvent Extraction

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
N-Nitrosodimethylamine	384			32.5	ug/kg wet	820.5		46.8	40.8-101		
Pyridine	240			164	"	820.5		29.3	20-77.4		
2-Picoline	316			164	"	820.5		38.5	20-118		
N-Nitrosomethylmethamphetamine	418			164	"	820.5		50.9	44.9-124		
N-Nitrosodiethylamine	447			32.5	"	820.5		54.4	50.8-119		
Ethyl methanesulfonate	454			32.5	"	820.5		55.3	52.6-113		
Aniline	387			164	"	820.5		47.2	20-113		
Phenol	476			32.5	"	820.5		58.0	35.1-169		
Pentachloroethane	340			32.5	"	820.5		41.4	20.6-104		
Bis(2-chloroethyl)ether	428			32.5	"	820.5		52.2	51.4-111		
2-Chlorophenol	486			32.5	"	820.5		59.3	52.1-118		
1,3-Dichlorobenzene	385			164	"	820.5		46.9	31.2-120		
1,4-Dichlorobenzene	390			164	"	820.5		47.5	37-111		
1,2-Dichlorobenzene	399			164	"	820.5		48.7	40.1-106		
2-Methylphenol	484			32.5	"	820.5		59.0	53.7-128		
Bis(2-chloroisopropyl)ether	423			32.5	"	820.5		51.6	54-119		
N-Nitrosopyrrolidine	433			164	"	820.5		52.7	58.1-118		
Acetophenone	459			32.5	"	820.5		56.0	57.5-118		
N-Nitroso-di-n-propylamine	468			32.5	"	820.5		57.0	57.6-118		
o-Toluidine	356			32.5	"	820.5		43.4	20-98.9		
3-&/or 4-Methylphenol	889			66.0	"	1641		54.2	62.9-125		
Hexachloroethane	387			164	"	820.5		47.2	36.6-112		
Nitrobenzene	454			32.5	"	820.5		55.3	56.3-116		
N-Nitrosopiperidine	470			32.5	"	820.5		57.3	60-120		
Isophorone	449			32.5	"	820.5		54.7	61.1-121		
2-Nitrophenol	466			32.5	"	820.5		56.8	60.3-120		
2,4-Dimethylphenol	448			164	"	820.5		54.6	60.7-121		
Bis(2-chlorooxy)methane	474			32.5	"	820.5		57.8	59.6-120		
2,4-Dichlorophenol	443			164	"	820.5		54.0	65.8-126		
1,2,4-Trichlorobenzene	418			164	"	820.5		50.9	53.6-114		
Naphthalene	438			32.5	"	820.5		53.4	55.1-115		
2,6-Dichlorophenol	467			32.5	"	820.5		56.9	63.6-124		
4-Chloroaniline	313			164	"	820.5		38.2	20-97.5		
Hexachloropropene	457			32.5	"	820.5		55.7	42.7-115		



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Project: Blue Island Phenols
Project Number: [none]
Project Manager: Mike Beedle

Reported:
Nov-29-11 11:12

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

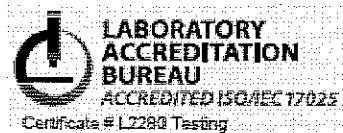
Batch B110002 - Solvent Extraction

Prepared: Sep-20-11 Analyzed: Oct-26-11										
Analyst	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD Limit
Hexachlorohutadiene	408			164	ug/kg wet	820.5		49.7	50.9-115	
N-Nitrosodi-n-hutylamine	482			32.5	"	820.5		58.8	63.9-124	
4-Chloro-3-methylphenol	532			32.5	"	820.5		64.8	69-129	
Safrole	461			32.5	"	820.5		56.2	61.6-122	
2-Methylnaphthalene	443			32.5	"	820.5		54.0	60.4-120	
Hexachlorocyclopentadiene	525			164	"	820.5		64.0	20-136	
1,2,4,5-Tetrachlorobenzene	432			32.5	"	820.5		52.7	57.5-118	
2,4,6-Trichlorophenol	501			32.5	"	820.5		61.0	62.7-123	
2,4,5-Trichlorophenol	539			32.5	"	820.5		65.7	66.4-132	
Iosafrole	474			32.5	"	820.5		57.8	62.7-123	
2-Chloronaphthalene	463			32.5	"	820.5		56.5	59.3-119	
2-Nitroaniline	567			32.5	"	820.5		69.1	72-132	
Dimethylphthalate	556			32.5	"	820.5		67.7	67.4-127	
1,3-Dinitrobenzene	598			32.5	"	820.5		72.9	75-135	
2,6-Dinitrotoluene	591			32.5	"	820.5		72.0	69.8-130	
Acenaphthylene	479			32.5	"	820.5		58.4	61.6-122	
3-Nitroaniline	579			164	"	820.5		70.6	69.5-130	
Acenaphthene	473			32.5	"	820.5		57.6	59.4-119	
2,4-Dinitrophenol	506			820	"	820.5		61.7	20-122	
Pentachlorobenzene	462			32.5	"	820.5		56.3	62.5-123	
4-Nitrophenol	655			164	"	820.5		79.8	38.2-144	
Dibenzofuran	474			32.5	"	820.5		57.8	64.1-124	
2,4-Dinitrotoluene	634			32.5	"	820.5		77.3	75-135	
2,3,4,6-Tetrachlorophenol	613			32.5	"	820.5		74.7	70-130	
Diethylphthalate	602			32.5	"	820.5		73.3	69.6-130	
Fluorcone	513			32.5	"	820.5		62.6	65.1-125	
4-Chlorophenylphenyl ether	495			32.5	"	820.5		60.3	65.3-125	
5-Nitro-o-toluidine	599			32.5	"	820.5		73.0	64.5-125	
4-Nitroaniline	612			164	"	820.5		74.6	76-136	
4,6-Dinitro-2-methylphenol	628			164	"	820.5		76.6	63.1-123	
Diphenylamine	609			32.5	"	820.5		74.3	67.4-127	
Azobenzene	632			32.5	"	820.5		77.0	63.7-124	
1,3,5-Trinitrobenzene	592			164	"	820.5		72.2	67.9-128	



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Project: Blue Island Phenols
 Project Number: [none]
 Project Manager: Mike Beedle

Reported:
 Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

LCS (B110002-BS1)

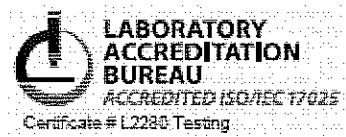
Prepared: Sep-20-11 Analyzed: Oct-26-11

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RDLimits	RPD RPD	RPD Limit
Diallate (cis or trans)	602			32.5	ug/kg wet	820.5		73.4	68.8-129		
Phenacetin	690			32.5	"	820.5		84.0	76-136		
4-Bromophenyl phenyl ether	569			32.5	"	820.5		69.4	66.5-127		
Hexachlorobenzene	593			32.5	"	820.5		72.3	65.2-125		
Pentachlorophenol	1180	J		164	"	820.5		144	28.7-145		
Pentachloronitrobenzene	696			32.5	"	820.5		84.8	70-130		
Pronamide	682			32.5	"	820.5		83.1	72-132		
Phenanthrene	611			32.5	"	820.5		74.5	65.9-126		
Dinoseb	617			32.5	"	820.5		75.2	63.7-127		
Anthracene	623			32.5	"	820.5		76.0	67-127		
Carbazole	691			32.5	"	820.5		84.2	70-130		
Di-n-butylphthalate	U			820	"	820.5			20-257		
Isodrin	593			164	"	820.5		72.2	69.6-130		
Fluoranthene	663			32.5	"	820.5		80.8	70-130		
Benzidine	U			820	"	820.5			20-61.6		
Pyrene	680			32.5	"	820.5		82.9	71-131		
p-Dimethylaminoazobenzene	711			32.5	"	820.5		86.6	72-132		
Chlorobenzilate	712			32.5	"	820.5		86.8	65.5-126		
3,3'-Dimethylbenzidine	U			820	"	820.5			20-55.8		
Butylbenzylphthalate	689			32.5	"	820.5		84.0	75-135		
2-Acetylaminofluorene	724			32.5	"	820.5		88.2	81-141		
Benzo (a) anthracene	648			32.5	"	820.5		78.9	69.5-130		
3,3'-Dichlorobenzidine	605			164	"	820.5		73.7	48.6-109		
Chrysene	659			32.5	"	820.5		80.3	69.9-130		
Bis(2-ethylhexyl)phthalate	723			164	"	820.5		88.1	71-131		
Di-n-octylphthalate	720			164	"	820.5		87.8	75-135		
Benzo(b)fluoranthene	694			32.5	"	820.5		84.6	71-131		
Benzo(k)fluoranthene	744			32.5	"	820.5		90.6	68.8-129		
Benzo(a)pyrene	732			32.5	"	820.5		89.2	71-131		
3-Methylcholanthrene	728			32.5	"	820.5		88.8	71-131		
Indeno(1,2,3-cd)pyrene	739			32.5	"	820.5		90.1	72-132		
Dibenz(a,h)anthracene	733			32.5	"	820.5		89.3	73-133		
Benzo(g,h,i)perylene	710			164	"	820.5		86.5	20-185		



Environmental Protection Agency Region 5
Chicago Regional Laboratory

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RCRA, LCD, US EPA Region 5
 77 West Jackson Boulevard
 Chicago IL, 60604

Project: Blue Island Phenols
 Project Number: [none]
 Project Manager: Mike Beedle

Reported:
 Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

LCS (B110002-BS1)

Prepared: Sep-20-11 Analyzed: Oct-26-11

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD	RPD Limit
Surrogate: 2-Fluorophenol	494				ug/kg wet	820.5		60.2	57.3-118		
Surrogate: Phenol-d5	474				"	820.5		57.8	60.3-125		
Surrogate: Nitrobenzene-d5	447				"	820.5		54.4	51.4-111		
Surrogate: 2-Fluorobiphenyl	474				"	820.5		57.8	55.2-115		
Surrogate: 2,4,6-Tribromophenol	685				"	820.5		83.5	61.6-122		
Surrogate: Terphenyl-d14	708				"	820.5		86.3	68.8-129		

LCS Dup (B110002-BSD1)

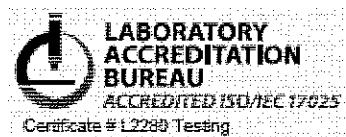
Prepared: Sep-20-11 Analyzed: Oct-26-11

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD	RPD Limit
N-Nitrosodimethylamine	522			33.0	ug/kg wet	832.5		62.7	40.8-101	29.1	30
Pyridine	345			167	"	832.5		41.5	20-77.4	34.5	46.4
2-Picoline	435			167	"	832.5		52.3	20-118	30.4	30
N-Nitrosomethylalkylamine	552			167	"	832.5		66.4	44.9-124	26.3	30
N-Nitrosodiethylamine	594			33.0	"	832.5		71.4	50.8-119	27.0	30
Ethyl methanesulfonate	622			33.0	"	832.5		74.7	52.6-113	29.8	30
Andine	481			167	"	832.5		57.8	20-113	20.1	57.5
Phenol	641			33.0	"	832.5		77.0	35.1-169	28.2	30
Pentachloroethane	440			33.0	"	832.5		52.9	20.6-104	24.4	84.8
Bis(2-chloroethyl)ether	591			33.0	"	832.5		71.0	51.4-111	30.6	30
2-Chlorophenol	657			33.0	"	832.5		78.9	52.1-118	28.4	30
1,3-Dichlorobenzene	528			167	"	832.5		63.4	31.2-120	30.0	81.6
1,4-Dichlorobenzene	540			167	"	832.5		64.9	37-111	31.0	75.6
1,2-Dichlorobenzene	554			167	"	832.5		66.6	40.1-106	31.1	53.9
2-Methylphenol	639			33.0	"	832.5		76.8	53.7-128	26.3	30
Bis(2-chloroisopropyl)ether	578			33.0	"	832.5		69.4	54-119	29.6	30
N-Nitrosopyrrolidine	572			167	"	832.5		68.7	58.1-118	26.4	30



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Project: Blue Island Phenols
 Project Number: [none]
 Project Manager: Mike Beedle

Reported:
 Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

LCS Dup (B110002-BSD1)

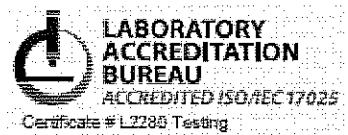
Prepared: Sep-20-11 Analyzed: Oct-26-11

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Acetophenone	622			33.0	ug/kg wet	832.5		74.8	57.5-118	28.7	30
N-Nitroso-di-n-propylamine	620			33.0	"	832.5		74.5	57.6-118	26.6	30
o-Toluidine	418			33.0	"	832.5		50.2	20-98.9	14.6	31.4
3- &/or 4-Methylphenol	1200			66.9	"	1665		72.0	62.9-125	28.2	30
Hexachloroethane	542			167	"	832.5		65.1	36.6-112	31.9	77.2
Nitrobenzene	627			33.0	"	832.5		75.3	56.3-116	30.6	30
N-Nitrosopiperidine	639			33.0	"	832.5		76.8	60-120	29.1	30
Isophorone	619			33.0	"	832.5		74.4	61.1-121	30.6	30
2-Nitrophenol	669			33.0	"	832.5		80.4	60.3-120	34.4	30
2,4-Dimethylphenol	618			167	"	832.5		74.2	60.7-121	30.4	30
Bis(2-chloroethoxy)methane	648			33.0	"	832.5		77.9	59.6-120	29.7	30
2,4-Dichlorophenol	633			167	"	832.5		76.0	65.8-126	33.9	30
1,2,4-Trichlorobenzene	583			167	"	832.5		70.0	53.6-114	31.6	30
Naphthalene	596			33.0	"	832.5		71.6	55.1-115	29.0	30
2,6-Dichlorophenol	638			33.0	"	832.5		76.6	63.6-124	29.5	30
4-Chloroaniline	407			167	"	832.5		48.9	20-97.5	24.5	38.8
Hexachloropropene	648			33.0	"	832.5		77.8	42.7-115	33.1	30
Hexachlorobutadiene	591			167	"	832.5		71.0	50.9-115	35.3	31
N-Nitrosodi-n-butylamine	664			33.0	"	832.5		79.7	63.9-124	30.3	30
4-Chloro-3-methylphenol	674			33.0	"	832.5		81.0	69-129	22.2	30
Safrrole	630			33.0	"	832.5		75.7	61.6-122	29.6	30
2-Methylnaphthalene	609			33.0	"	832.5		73.2	60.4-120	30.1	30
Hexachlorocyclopentadiene	694			167	"	832.5		83.4	20-136	26.3	30
1,2,4,5-Tetrachlorobenzene	600			33.0	"	832.5		72.1	57.5-118	31.1	30
2,4,6-Trichlorophenol	643			33.0	"	832.5		77.2	62.7-123	23.4	30
2,4,5-Trichlorophenol	683			33.0	"	832.5		82.0	66.4-132	22.1	30
Isosafrole	638			33.0	"	832.5		76.7	62.7-123	28.1	42.3
2-Chloronaphthalene	629			33.0	"	832.5		75.6	59.3-119	28.9	30
2-Nitroaniline	678			33.0	"	832.5		81.4	72-132	16.4	30
Dimethylphthalate	656			33.0	"	832.5		78.8	67.4-127	15.2	30
1,3-Dinitrobenzene	690			33.0	"	832.5		82.9	75-135	12.9	30
2,6-Dinitrotoluene	679			33.0	"	832.5		81.6	69.8-130	12.5	30
Acenaphthylene	631			33.0	"	832.5		75.8	61.6-122	25.9	30



Environmental Protection Agency Region 5
Chicago Regional Laboratory

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RCRA, LCD, US EPA Region 5
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Project: Blue Island Phenols
 Project Number: [none]
 Project Manager: Mike Beedle

Reported:
 Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

LCS Dup (B110002-BSD1)

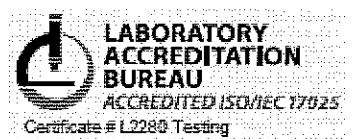
Prepared: Sep-20-11 Analyzed: Oct-26-11

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
3-Nitroaniline	630			167	ug/kg wet	832.5		75.7	69.5-130	6.95	30
Acenaphthene	626			33.0	"	832.5		75.2	59.4-119	26.5	30
2,4-Dinitrophenol	565			832	"	832.5		67.9	20-122	9.51	52
Pentachlorobenzene	609			33.0	"	832.5		73.1	62.5-123	26.0	30
4-Nitrophenol	629			167	"	832.5		75.6	38.2-144	5.51	30
Dibenzofuran	626			33.0	"	832.5		75.2	64.1-124	26.2	30
2,4-Dinitrotoluene	692			33.0	"	832.5		83.1	75-135	7.23	30
2,3,4,6-Tetrachlorophenol	685			33.0	"	832.5		82.2	70-130	9.58	30
Diethylphthalate	657			33.0	"	832.5		79.0	69.6-130	7.41	30
Fluorene	640			33.0	"	832.5		76.8	65.1-125	20.5	30
4-Chlorophenylphenyl ether	616			33.0	"	832.5		74.0	65.3-125	20.4	30
5-Nitro-o-toluidine	622			33.0	"	832.5		74.7	64.5-125	2.22	30
4-Nitroaniline	646			167	"	832.5		77.6	76-136	3.99	30
4,6-Dinitro-2-methylphenol	656			167	"	832.5		78.8	63.1-123	2.88	30
Diphenylamine	674			33.0	"	832.5		80.9	67.4-127	8.56	30
Azobenzene	735			33.0	"	832.5		88.3	63.7-124	13.6	30
1,3,5-Trinitrobenzene	587			167	"	832.5		70.5	67.9-128	2.30	30
Diallate (cis or trans)	692			33.0	"	832.5		83.1	68.8-129	12.4	30
Phenacetin	712			33.0	"	832.5		85.6	76-136	1.79	30
4-Bromophenyl phenyl ether	654			33.0	"	832.5		78.6	66.5-127	12.4	30
Hexachlorobenzene	654			33.0	"	832.5		78.5	65.2-125	8.22	30
Pentachlorophenol	1210	J		167	"	832.5		145	28.7-145	0.748	30
Pentachloronitrobenzene	747			33.0	"	832.5		89.7	70-130	5.59	30
Pronamide	718			33.0	"	832.5		86.2	72-132	3.68	30
Phenanthrene	667			33.0	"	832.5		80.2	65.9-126	7.35	30
Dinoseb	657			33.0	"	832.5		78.9	63.7-127	4.72	30
Anthracene	674			33.0	"	832.5		80.9	67-127	6.32	30
Carbazole	716			33.0	"	832.5		86.0	70-130	2.07	30
Di-n-butylphthalate	U			832	"	832.5			20-257		35.4
Isodrin	637			167	"	832.5		76.5	69.6-130	5.70	30
Fluoranthene	686			33.0	"	832.5		82.4	70-130	1.96	30
Benzidine	U			832	"	832.5			20-61.6		30
Pyrene	705			33.0	"	832.5		84.6	71-131	2.05	30



Environmental Protection Agency Region 5
Chicago Regional Laboratory

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RCRA, LCD, US EPA Region 5
 77 West Jackson Boulevard
 Chicago IL, 60604

Project: Blue Island Phenols
 Project Number: [none]
 Project Manager: Mike Beedle

Reported:
 Nov-29-11 11:12

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

LCS Dup (B110002-BSD1)

Prepared: Sep-20-11 Analyzed: Oct-26-11

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD RPD	Limit
p-Dimethylaminoazobenzene	708			33.0	ug/kg wet	832.5		85.0	72-132	1.91	30
Chlorobenzilate	702			33.0	"	832.5		84.3	65.5-126	2.95	30
3,3'-Dimethylbenzidine	U			832	"	832.5			20-55.8		30
Butylbenzylphthalate	711			33.0	"	832.5		85.4	75-135	1.70	30
2-Acetylaminofluorene	746			33.0	"	832.5		89.6	81-141	1.53	30
Benzo (a) anthracene	658			33.0	"	832.5		79.1	69.5-130	0.203	30
3,3'-Dichlorobenzidine	596			167	"	832.5		71.6	48.6-109	2.86	30
Chrysene	690			33.0	"	832.5		82.8	69.9-130	3.09	30
Bis(2-ethylhexyl)phthalate	732			167	"	832.5		88.0	71-131	0.136	30
Di-n-octylphthalate	738			167	"	832.5		88.6	75-135	0.907	30
Benzo(b)fluoranthene	711			33.0	"	832.5		85.4	71-131	0.988	30
Benzo(k)fluoranthene	761			33.0	"	832.5		91.4	68.8-129	0.791	30
Benzo(a)pyrene	736			33.0	"	832.5		88.4	71-131	0.946	30
3-Methylcholanthrene	749			33.0	"	832.5		90.0	71-131	1.39	30
Indeno(1,2,3-cd)pyrene	663			33.0	"	832.5		79.6	72-132	12.3	30
Dihenz(a,h)anthracene	767			33.0	"	832.5		92.1	73-133	3.09	30
Benzo(g,h,i)perylene	735			167	"	832.5		88.3	20-185	2.06	30

Surrogate: 2-Fluorophenol	699			"	832.5		84.0	57.3-118
Surrogate: Phenol-d5	643			"	832.5		77.2	60.3-125
Surrogate: Nitrobenzene-d5	625			"	832.5		75.1	51.4-111
Surrogate: 2-Fluorobiphenyl	623			"	832.5		74.8	55.2-115
Surrogate: 2,4,6-Tribromophenol	726			"	832.5		87.2	61.6-122
Surrogate: Terphenyl-d14	704			"	832.5		84.5	68.8-129

Duplicate (B110002-DUP1)

Source: 1109008-06

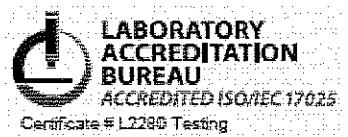
Prepared: Sep-20-11 Analyzed: Oct-27-11

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD RPD	Limit
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Environmental Protection Agency Region 5
Chicago Regional Laboratory

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Project: Blue Island Phenols
 Project Number: [none]
 Project Manager: Mike Beedle

Reported:
 Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

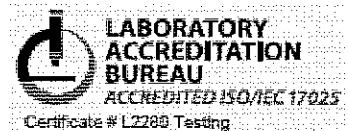
Batch B110002 - Solvent Extraction

Duplicate (B110002-DUP1)		Source: 1109008-06		Prepared: Sep-20-11 Analyzed: Oct-27-11							
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
N-Nitrosodimethylamine	U			20800	ug/kg dry		U				200
Pyridine	U			1.06E5	"		U				200
2-Picoline	U			1.06E5	"		U				200
N-Nitrosomethylethylamine	U			1.06E5	"		U				200
N-Nitrosodiethylamine	U			20800	"		U				200
Ethyl methanesulfonate	U			20800	"		U				200
Aniline	U			1.06E5	"		U				200
Phenol	1.89E7			2.08E5	"		1.98E7			5.08	200
Pentachloroethane	U			20800	"		U				200
Bis(2-chloroethyl)ether	U			20800	"		U				200
2-Chlorophenol	U			20800	"		U				200
1,3-Dichlorobenzene	U			1.06E5	"		U				200
1,4-Dichlorobenzene	U			1.06E5	"		U				200
1,2-Dichlorobenzene	U			1.06E5	"		U				200
2-Methylphenol	U			20800	"		U				200
Bis(2-chloroisopropyl)ether	U			20800	"		U				200
N-Nitrosopyrrolidine	U			1.06E5	"		U				200
Acetophenone	4.55E6			2.08E5	"		4.76E6			4.50	200
N-Nitroso-di-n-propylamine	U			20800	"		U				200
o-Tolidine	U			20800	"		U				200
3-&/or 4-Methylphenol	U			42300	"		U				200
Hexachloroethane	U			1.06E5	"		U				200
Nitrobenzene	U			20800	"		U				200
N-Nitrosopiperidinium	U			20800	"		U				200
Isophorone	U			20800	"		U				200
2-Nitrophenol	U			20800	"		U				200
2,4-Dimethylphenol	U			1.06E5	"		U				200
Bis(2-chloroethoxy)methane	U			20800	"		U				200
2,4-Dichlorophenol	U			1.06E5	"		U				200
1,2,4-Trichlorobenzene	U			1.06E5	"		U				200
Naphthalene	U			20800	"		U				200
2,6-Dichlorophenol	U			20800	"		U				200
4-Chloroaniline	U			1.06E6	"		U				200



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Project: Blue Island Phenols
Project Number: [none]
Project Manager: Mike Beedle

Reported:
Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

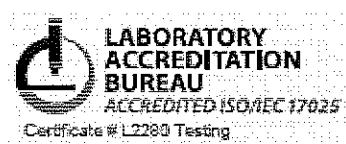
Batch B110002 - Solvent Extraction

Duplicate (B110002-DUP1)		Source: 1109008-06		Prepared: Sep-20-11 Analyzed: Oct-27-11							
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Hexachloropropene	U			20800	ug/kg dry	"	U			200	
Hexachlorobutadiene	U			1.06E5	"	"	U			200	
N-Nitrosodi-n-butylamine	U			20800	"	"	U			200	
4-Chloro-3-methylphenol	U			20800	"	"	U			200	
Safrole	U			20800	"	"	U			200	
2-Methylnaphthalene	U			20800	"	"	U			200	
Hexachlorocyclopentadiene	U			1.06E5	"	"	U			200	
1,2,4,5-Tetrachlorobenzene	U			20800	"	"	U			200	
2,4,6-Trichlorophenol	U			20800	"	"	U			200	
2,4,5-Trichlorophenol	U			20800	"	"	U			200	
Isosafrole	U			20800	"	"	U			200	
2-Chloronaphthalene	U			20800	"	"	U			200	
2-Nitroaniline	U			20800	"	"	U			200	
Dimethylphthalate	U			20800	"	"	U			200	
1,3-Dinitrobenzene	U			20800	"	"	U			200	
2,6-Dinitrotoluene	U			20800	"	"	U			200	
Acenaphthylene	U			20800	"	"	U			200	
3-Nitroaniline	U			1.06E5	"	"	U			200	
Acenaphthene	U			20800	"	"	U			200	
2,4-Dinitrophenol	U			5.26E5	"	"	U			200	
Pentachlorobenzene	U			20800	"	"	U			200	
4-Nitrophenol	U			1.06E5	"	"	U			200	
Dibenzofuran	U			20800	"	"	U			200	
2,4-Dinitrotoluene	U			20800	"	"	U			200	
2,3,4,6-Tetrachlorophenol	U			20800	"	"	U			200	
Diethylphthalate	U			20800	"	"	U			200	
Fluorene	U			20800	"	"	U			200	
4-Chlorophenylphenyl ether	U			20800	"	"	U			200	
5-Nitro-o-toluidine	U			20800	"	"	U			200	
4-Nitroaniline	U			1.06E5	"	"	U			200	
4,6-Dinitro-2-methylphenol	U			1.06E5	"	"	U			200	
Diphenylamine	U			20800	"	"	U			200	
Azobenzene	U			20800	"	"	U			200	



Environmental Protection Agency Region 5
Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
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RCRA, LCD, US EPA Region 5
 77 West Jackson Boulevard
 Chicago IL, 60604

Project: Blue Island Phenols
 Project Number: [none]
 Project Manager: Mike Beedle

Reported:
 Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

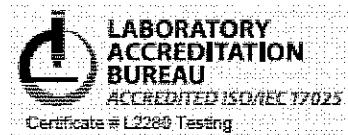
Batch B110002 - Solvent Extraction

Duplicate (B110002-DUP1)		Source: 1109008-06		Prepared: Sep-20-11 Analyzed: Oct-26-11							
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,3,5-Trinitrobenzene	U			1.06E6	ug/kg dry		U			200	
Diallate (cis or trans)	U			20800	"		U			200	
Phenacetin	U			20800	"		U			200	
4-Bromophenyl phenyl ether	U			20800	"		U			200	
Hexachlorobenzene	U			20800	"		U			200	
Pentachlorophenol	U	J		1.06E5	"		U			200	
Pentachloronitrobenzene	U			20800	"		U			200	
Pronamide	U			20800	"		U			200	
Phenanthrene	U			20800	"		U			200	
Dinoseb	U			20800	"		U			200	
Anthracene	U			20800	"		U			200	
Carbazole	U			20800	"		U			200	
Di-n-butylphthalate	U			5.26E5	"		U			200	
Isodrin	U			1.06E5	"		U			200	
Fluoranthene	U			20800	"		U			200	
Benzidine	U			5.26E5	"		U			200	
Pyrene	U			20800	"		U			200	
p-Dimethylaminoazobenzene	U			20800	"		U			200	
Chlorobenzilate	U			20800	"		U			200	
3,3'-Dimethylbenzidine	U	J		5.26E5	"		U			200	
Butylbenzylphthalate	U			20800	"		U			200	
2-Acetylaminofluorene	U			20800	"		U			200	
Benzo (a) anthracene	U			20800	"		U			200	
3,3'-Dichlorobenzidine	U			1.06E5	"		U			200	
Chrysene	U			20800	"		U			200	
Bis(2-ethylhexyl)phthalate	U			1.06E5	"		U			200	
Di-n-octylphthalate	U			1.06E5	"		U			200	
Benzo(b)fluoranthene	U			20800	"		U			200	
Benzo(k)fluoranthene	U			20800	"		U			200	
Benzo(a)pyrene	U			20800	"		U			200	
3-Methylcholanthrene	U			20800	"		U			200	
Indeno(1,2,3-cd)pyrene	U			20800	"		U			200	
Dibenz(a,h)anthracene	U			20800	"		U			200	



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Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5
 77 West Jackson Boulevard
 Chicago IL, 60604

Project: Blue Island Phenols
 Project Number: [none]
 Project Manager: Mike Beedle

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 Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

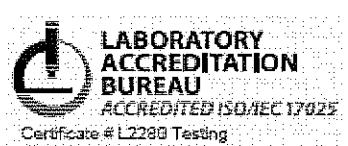
Duplicate (B110002-DUPL)		Source: 1109008-06		Prepared: Sep-20-11 Analyzed: Oct-27-11							
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Benzo(g,h,i)perylene	U			1.06E5	ug/kg dry		U				200
Surrogate: 2-Fluorophenol	0.00				"	10530			57.3-118		
Surrogate: Phenol-d5	0.00				"	10530			60.3-125		
Surrogate: Nitrobenzene-d5	11000				"	10530		104	51.4-111		
Surrogate: 2-Fluorobiphenyl	0.00				"	10530			55.2-115		
Surrogate: 2,4,6-Tribromophenol	0.00	J			"	10530			61.6-122		
Surrogate: Terphenyl-d14	11400				"	10530		108	68.8-129		

Matrix Spike (B110002-MS1)		Source: 1109008-06		Prepared: Sep-20-11 Analyzed: Oct-27-11							
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
N-Nitrosodimethylamine	U			20900	ug/kg dry	10560	U		40.8-101		
Pyridine	U			1.06E5	"	10560	U		20-77.4		
2-Picoline	U			1.06E5	"	10560	U		20-118		
N-Nitrosomethylalkylamine	U			1.06E5	"	10560	U		44.9-124		
N-Nitrosodiethylamine	U			20900	"	10560	U		50.8-119		
Ethyl methanesulfonate	U			20900	"	10560	U		52.6-113		
Aniline	U			1.06E5	"	10560	U		20-113		
Phenol	1.77E7			2.09E5	"	10560	1.98E7	NR	35.1-169		
Pentachloroethane	U			20900	"	10560	U		20.6-104		
Bis(2-chloroethyl)ether	U			20900	"	10560	U		51.4-111		
2-Chlorophenol	U			20900	"	10560	U		52.1-118		
1,3-Dichlorobenzene	U			1.06E5	"	10560	U		31.2-120		
1,4-Dichlorobenzene	U			1.06E5	"	10560	U		37-111		
1,2-Dichlorobenzene	U			1.06E5	"	10560	U		40.1-106		
2-Methylphenol	U			20900	"	10560	U		53.7-128		
Bis(2-chloroisopropyl)ether	U			20900	"	10560	U		54-119		



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Project: Blue Island Phenols
 Project Number: [none]
 Project Manager: Mike Beedle

Reported:
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Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

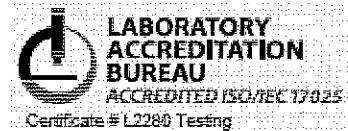
Batch B110002 - Solvent Extraction

Matrix Spike (B110002-MS1)		Source: 1109008-06		Prepared: Sep-20-11 Analyzed: Oct-27-11							
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
N-Nitrosopyrrolidine	U			1.06E5	ug/kg dry	10560	U	58.1-118			
Acetophenone	4.03E6			2.09E5	"	10560	4.76E6	NR	57.5-118		
N-Nitroso-di-n-propylamine	U			20900	"	10560	U	57.6-118			
o-Toluidine	U			20900	"	10560	U	20-98.9			
3-&/or 4-Methylphenol	53900			42500	"	21120	U	255	62.9-125		
Hexachloroethane	U			1.06E5	"	10560	U	36.6-112			
Nitrobenzene	U			20900	"	10560	U	56.3-116			
N-Nitrosopiperidine	U			20900	"	10560	U	60-120			
Isophoroue	U			20900	"	10560	U	61.1-121			
2-Nitrophenol	U			20900	"	10560	U	60.3-120			
2,4-Dimethylphenol	U			1.06E5	"	10560	U	60.7-121			
Bis(2-chloroethoxy)methane	U			20900	"	10560	U	59.6-120			
2,4-Dichlorophenol	U			1.06E5	"	10560	U	65.8-126			
1,2,4-Trichlorobenzene	U			1.06E5	"	10560	U	53.6-114			
Naphthalene	U			20900	"	10560	U	55.1-115			
2,6-Dichlorophenol	U			20900	"	10560	U	63.6-124			
4-Chloroaniline	U			1.06E6	"	10560	U	20-97.5			
Hexachloropropene	U			20900	"	10560	U	42.7-115			
Hexachlorobutadiene	U			1.06E5	"	10560	U	50.9-115			
N-Nitrosodi-n-butylamine	U			20900	"	10560	U	63.9-124			
4-Chloro-3-methylphenol	U			20900	"	10560	U	69-129			
Safrole	U			20900	"	10560	U	61.6-122			
2-Methylnaphthalene	U			20900	"	10560	U	60.4-120			
Hexachlorocyclopentadiene	U			1.06E5	"	10560	U	20-136			
1,2,4,5-Tetrachlorobenzene	U			20900	"	10560	U	57.5-118			
2,4,6-Trichlorophenol	U			20900	"	10560	U	62.7-123			
2,4,5-Trichlorophenol	U			20900	"	10560	U	66.4-132			
Isosafrole	U			20900	"	10560	U	62.7-123			
2-Chloronaphthalene	U			20900	"	10560	U	59.3-119			
2-Nitroaniline	U			20900	"	10560	U	72-132			
Dimethylpbthalate	U			20900	"	10560	U	67.4-127			
1,3-Dinitrobenzene	U			20900	"	10560	U	75-135			
2,6-Dinitrotoluene	U			20900	"	10560	U	69.8-130			



Environmental Protection Agency Region 5
Chicago Regional Laboratory

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RCRA, LCD, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project: Blue Island Phenols
Project Number: [none]
Project Manager: Mike Beedle

Reported:
Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Matrix Spike (B110002-MSI)	Source: 1109008-06			Prepared: Sep-20-11 Analyzed: Oct-27-11							
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Aceanaphthylene	U			20900	ug/kg dry	10560	U	61.6-122			
3-Nitroaniline	U			1.06E5	"	10560	U	69.5-130			
Acenaphthene	U			20900	"	10560	U	59.4-119			
2,4-Dinitrophenol	U			5.28E5	"	10560	U	20-122			
Pentachlorobenzene	U			20900	"	10560	U	62.5-123			
4-Nitrophenol	U			1.06E5	"	10560	U	38.2-144			
Dibenzofuran	U			20900	"	10560	U	64.1-124			
2,4-Dinitrotoluene	U			20900	"	10560	U	75-135			
2,3,4,6-Tetrachlorophenol	52200			20900	"	10560	U	494	70-130		
Diethylphthalate	U			20900	"	10560	U	69.6-130			
Fluorene	U			20900	"	10560	U	65.1-125			
4-Chlorophenylphenyl ether	U			20900	"	10560	U	65.3-125			
5-Nitro-o-toluidine	U			20900	"	10560	U	64.5-125			
4-Nitroaniline	U			1.06E5	"	10560	U	76-136			
4,6-Dinitro-2-methylphenol	U			1.06E5	"	10560	U	63.1-123			
Diphenylamine	U			20900	"	10560	U	67.4-127			
Azohenzene	34600			20900	"	10560	U	328	63.7-124		
1,3,5-Trinitrobenzene	U			1.06E6	"	10560	U	67.9-128			
Diallate (cis or trans)	U			20900	"	10560	U	68.8-129			
Phenacetin	U			20900	"	10560	U	76-136			
4-Bromophenyl phenyl ether	U			20900	"	10560	U	66.5-127			
Hexachlorobenzene	U	J		20900	"	10560	U	65.2-125			
Pentachlorophenol	U			1.06E5	"	10560	U	28.7-145			
Pentachloronitrobenzene	U			20900	"	10560	U	70-130			
Pronamide	U			20900	"	10560	U	72-132			
Phenanthrone	U			20900	"	10560	U	65.9-126			
Dinoseb	U			20900	"	10560	U	63.7-127			
Anthracene	U			20900	"	10560	U	67-127			
Carbazole	U			20900	"	10560	U	70-130			
Di-n-butylphthalate	U			5.28E5	"	10560	U	20-257			
Isodrin	U			1.06E5	"	10560	U	69.6-130			
Fluoranthene	U			20900	"	10560	U	70-130			
Benzidine	U			5.28E5	"	10560	U	20-61.6			



Environmental Protection Agency Region 5
Chicago Regional Laboratory

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RCRA, LCD, US EPA Region 5
 77 West Jackson Boulevard
 Chicago IL, 60604

Project: Blue Island Phenols
 Project Number: [none]
 Project Manager: Mike Beedle

Reported:
 Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

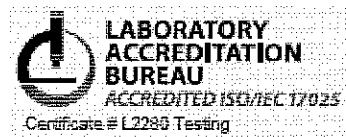
Matrix Spike (B110002-MS1)		Source: 1109008-06		Prepared: Sep-20-11 Analyzed: Oct-27-11							
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Pyrene	U			20900	ng/kg dry	10560	U	71-131			
p-Dimethylaminoazobenzene	U			20900	"	10560	U	72-132			
Chlorobenzilate	U			20900	"	10560	U	65.5-126			
3,3'-Dimethylbenzidine	U	J		5.28E5	"	10560	U	20-55.8			
Butylbenzylphthalate	U			20900	"	10560	U	75-135			
2-Acetylaminofluorene	U			20900	"	10560	U	81-141			
Benzo (a) anthracene	U			20900	"	10560	U	69.5-130			
3,3'-Dichlorobenzidine	U			1.06E5	"	10560	U	48.6-109			
Chrysene	U			20900	"	10560	U	69.9-130			
Bis(2-ethylhexyl)phthalate	U			1.06E5	"	10560	U	71-131			
Di-n-octylphthalate	U			1.06E5	"	10560	U	75-135			
Benzo(b)fluoranthene	U			20900	"	10560	U	71-131			
Benzo(k)fluoranthene	U			20900	"	10560	U	68.8-129			
Benzo(a)pyrene	U			20900	"	10560	U	71-131			
3-Methylcholanthrene	U			20900	"	10560	U	71-131			
Indeno(1,2,3-cd)pyrene	U			20900	"	10560	U	72-132			
Dibenz(a,h)anthracene	U			20900	"	10560	U	73-133			
Benzo(g,h,i)perylene	U			1.06E5	"	10560	U	20-185			
Surrogate: 2-Fluorophenol	0.00				"	10560		57.3-118			
Surrogate: Phenol-d5	0.00				"	10560		60.3-125			
Surrogate: Nitrobenzene-d5	10600				"	10560		100	51.4-111		
Surrogate: 2-Fluorobiphenyl	0.00				"	10560		55.2-115			
Surrogate: 2,4,6-Tribromophenol	0.00	J			"	10560		61.6-122			
Surrogate: Terphenyl-d14	10800				"	10560		102	68.8-129		

Matrix Spike Dup (B110002-MSD1) **Source: 1109008-06** **Prepared: Sep-20-11 Analyzed: Oct-27-11**



Environmental Protection Agency Region 5
Chicago Regional Laboratory

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RCRA, LCD, US EPA Region 5
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 Chicago IL, 60604

Project: Blue Island Phenols
 Project Number: [none]
 Project Manager: Mike Beedle

Reported:
 Nov-29-11 11:12

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

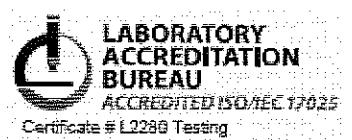
Batch B110002 - Solvent Extraction

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
N-Nitrosodimethylamine	U			21000	ug/kg dry	10590	U	40.8-101		30	
Pyridine	U			1.06E5	"	10590	U	20-77.4		46.4	
2-Picoline	U			1.06E5	"	10590	U	20-118		30	
N-Nitrosomethylethylamine	U			1.06E5	"	10590	U	44.9-124		30	
N-Nitrosodiethylamine	U			21000	"	10590	U	50.8-119		30	
Ethyl methanesulfonate	U			21000	"	10590	U	52.6-113		30	
Aniline	U			1.06E5	"	10590	U	20-113		57.5	
Phenol	2.03E7			2.10E5	"	10590	1.98E7	NR	35.1-169	NR	30
Pentachloroethane	U			21000	"	10590	U	20.6-104		84.8	
Bis(2-chloroethyl)ether	U			21000	"	10590	U	51.4-111		30	
2-Chlorophenol	U			21000	"	10590	U	52.1-118		30	
1,3-Dichlorobenzene	U			1.06E5	"	10590	U	31.2-120		81.6	
1,4-Dichlorobenzene	U			1.06E5	"	10590	U	37-111		75.6	
1,2-Dichlorobenzene	U			1.06E5	"	10590	U	40.1-106		53.9	
2-Methylphenol	U			21000	"	10590	U	53.7-128		30	
Bis(2-chloroisopropyl)ether	U			21000	"	10590	U	54-119		30	
N-Nitrosopyrrolidine	U			1.06E5	"	10590	U	58.1-118		30	
Acetophenone	4.72E6			2.10E5	"	10590	4.76E6	NR	57.5-118	NR	30
N-Nitroso-di-n-propylamine	U			21000	"	10590	U	57.6-118		30	
o-Toluidine	U			21000	"	10590	U	20-98.9		31.4	
3-&/or 4-Methylphenol	44100			42600	"	21190	U	208	62.9-125	20.3	30
Hexachloroethane	U			1.06E5	"	10590	U	36.6-112		77.2	
Nitrobenzene	1.61E5			21000	"	10590	U	NR	56.3-116	30	
N-Nitrosopiperidine	U			21000	"	10590	U	60-120		30	
Isophorone	U			21000	"	10590	U	61.1-121		30	
2-Nitrophenol	U			21000	"	10590	U	60.3-120		30	
2,4-Dimethylphenol	U			1.06E5	"	10590	U	60.7-121		30	
Bis(2-chloroethoxy)methane	U			21000	"	10590	U	59.6-120		30	
2,4-Dichlorophenol	U			1.06E5	"	10590	U	65.8-126		30	
1,2,4-Trichlorobenzene	U			1.06E5	"	10590	U	53.6-114		30	
Naphthalene	U			21000	"	10590	U	55.1-115		30	
2,6-Dichlorophenol	U			21000	"	10590	U	63.6-124		30	
4-Chloroaniline	U			1.06E6	"	10590	U	20-97.5		38.8	
Hexachloropropene	U			21000	"	10590	U	42.7-115		30	



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RCRA, LCD, US EPA Region 5
 77 West Jackson Boulevard
 Chicago IL, 60604

Project: Blue Island Phenols
 Project Number: [none]
 Project Manager: Mike Beedle

Reported:
 Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

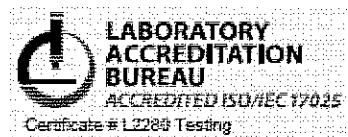
Batch B110002 - Solvent Extraction

Matrix Spike Dup (B110002-MSD1)		Source: 1109008-06		Prepared: Sep-20-11 Analyzed: Oct-27-11							
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit
Hexachlorobutadiene	U			1.06E5	ug/kg dry	10590	U	50.9-115		31	
N-Nitrosodi-n-butylamine	U			21000	"	10590	U	63.9-124		30	
4-Chloro-3-methylphenol	U			21000	"	10590	U	69-129		30	
Safrole	U			21000	"	10590	U	61.6-122		30	
2-Methylnaphthalene	U			21000	"	10590	U	60.4-120		30	
Hexachlorocyclopentadiene	U			1.06E5	"	10590	U	20-136		30	
1,2,4,5-Tetrachlorobenzene	U			21000	"	10590	U	57.5-118		30	
2,4,6-Trichlorophenol	U			21000	"	10590	U	62.7-123		30	
2,4,5-Trichlorophenol	U			21000	"	10590	U	66.4-132		30	
Isosafrole	U			21000	"	10590	U	62.7-123		42.3	
2-Chloronaphthalene	U			21000	"	10590	U	59.3-119		30	
2-Nitroaniline	U			21000	"	10590	U	72-132		30	
Dimethylphthalate	U			21000	"	10590	U	67.4-127		30	
1,3-Dinitrobenzene	U			21000	"	10590	U	75-135		30	
2,6-Dinitrotoluene	U			21000	"	10590	U	69.8-130		30	
Acenaphthylene	U			21000	"	10590	U	61.6-122		30	
3-Nitroaniline	U			1.06E5	"	10590	U	69.5-130		30	
Acenaphthene	U			21000	"	10590	U	59.4-119		30	
2,4-Dinitrophenol	U			5.29E5	"	10590	U	20-122		52	
Pentachlorobenzene	U			21000	"	10590	U	62.5-123		30	
4-Nitrophenol	U			1.06E5	"	10590	U	38.2-144		30	
Dibenzofuran	U			21000	"	10590	U	64.1-124		30	
2,4-Dinitrotoluene	U			21000	"	10590	U	75-135		30	
2,3,4,6-Tetrachlorophenol	52500			21000	"	10590	U	496	70-130	0.404	30
Diethylphthalate	U			21000	"	10590	U	69.6-130		30	
Fluorene	U			21000	"	10590	U	65.1-125		30	
4-Chlorophenylphenyl ether	U			21000	"	10590	U	65.3-125		30	
5-Nitro-o-toluidine	U			21000	"	10590	U	64.5-125		30	
4-Nitroaniline	U			1.06E5	"	10590	U	76-136		30	
4,6-Dinitro-2-methylphenol	U			1.06E5	"	10590	U	63.1-123		30	
Diphenylamine	U			21000	"	10590	U	67.4-127		30	
Azobenzene	U			21000	"	10590	U	63.7-124		30	
1,3,5-Trinitrobenzene	U			1.06E6	"	10590	U	67.9-128		30	



Environmental Protection Agency Region 5
Chicago Regional Laboratory

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 Project Manager: Mike Beedle

Reported:
 Nov-29-11 11:11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Matrix Spike Dup (B110002-MSD1)		Source: 1109008-06		Prepared: Sep-20-11 Analyzed: Oct-27-11							
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Diallate (cis or trans)	U			21000	ug/kg dry	10590	U	68.8-129		30	
Phenacetin	U			21000	"	10590	U	76-136		30	
4-Bromophenyl phenyl ether	U			21000	"	10590	U	66.5-127		30	
Hexachlorobenzene	U			21000	"	10590	U	65.2-125		30	
Pentachlorophenol	U	J		1.06E5	"	10590	U	28.7-145		30	
Pentachloronitrobenzene	U			21000	"	10590	U	70-130		30	
Pronamide	U			21000	"	10590	U	72-132		30	
Phenanthrone	U			21000	"	10590	U	65.9-126		30	
Dinoscb	U			21000	"	10590	U	63.7-127		30	
Anthracene	U			21000	"	10590	U	67-127		30	
Carbazole	U			21000	"	10590	U	70-130		30	
Di-n-butylphthalate	U			5.29E5	"	10590	U	20-257		35.4	
Isodrin	U			1.06E5	"	10590	U	69.6-130		30	
Fluoranthene	U			21000	"	10590	U	70-130		30	
Benzidine	U			5.29E5	"	10590	U	20-61.6		30	
Pyrene	U			21000	"	10590	U	71-131		30	
p-Dimethylaminoazobenzene	U			21000	"	10590	U	72-132		30	
Chlorobenzilate	U			21000	"	10590	U	65.5-126		30	
3,3'-Dimethylbenzidine	U	J		5.29E5	"	10590	U	20-55.8		30	
Butylbenzylphthalate	U			21000	"	10590	U	75-135		30	
2-Acetylaminofluorene	U			21000	"	10590	U	81-141		30	
Benzo (a) anthracene	U			21000	"	10590	U	69.5-130		30	
3,3'-Dichlorobenzidine	U			1.06E5	"	10590	U	48.6-109		30	
Chrysene	U			21000	"	10590	U	69.9-130		30	
Bis(2-ethylhexyl)phthalate	U			1.06E5	"	10590	U	71-131		30	
Di-n-octylphthalate	U			1.06E5	"	10590	U	75-135		30	
Benzo(b)fluoranthene	U			21000	"	10590	U	71-131		30	
Benzo(k)fluoranthene	U			21000	"	10590	U	68.8-129		30	
Benzo(a)pyrene	U			21000	"	10590	U	71-131		30	
3-Methylcholanthrene	U			21000	"	10590	U	71-131		30	
Indeno(1,2,3-ed)pyrene	U			21000	"	10590	U	72-132		30	
Dibenz(a,h)anthracene	U			21000	"	10590	U	73-133		30	
Benzo(g,h,i)perylene	U			1.06E5	"	10590	U	20-185		30	



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 Project Manager: Mike Beedle

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US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Matrix Spike Dup (B110002-MSD1)		Source: 1109008-06		Prepared: Sep-20-11 Analyzed: Oct-27-11							
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Surrogate: 2-Fluorophenol	0.00				ug/kg dry	10590			57.3-118		
Surrogate: Phenol-d5	0.00				"	10590			60.3-125		
Surrogate: Nitrobenzene-d5	0.00				"	10590			51.4-111		
Surrogate: 2-Fluorobiphenyl	0.00				"	10590			55.2-115		
Surrogate: 2,4,6-Tribromophenol	0.00	J			"	10590			61.6-122		
Surrogate: Terphenyl-d14	11200				"	10590		106	68.8-129		

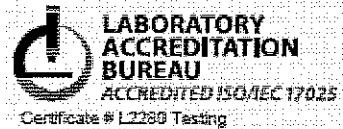
Batch B110004 - Solvent Extraction

Blank (B110004-BLK1)		Prepared: Sep-23-11 Analyzed: Oct-26-11									
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Pyridine	U			0.12	mg/L						
2-Methylphenol	U	J		0.024	"						
3- &/or 4-Methylphenol	U	J		0.048	"						
Hexachloroethane	U			0.024	"						
Nitrobenzene	U			0.024	"						
Hexachlorobutadiene	U			0.024	"						
2,4,6-Trichlorophenol	U	J		0.024	"						
2,4,5-Trichlorophenol	U	J		0.024	"						
2,4-Dinitrotoluene	U			0.024	"						
Hexachlorobenzene	U			0.024	"						
Pentachlorophenol	U	J		0.12	"						



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Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110004 - Solvent Extraction

Blank (B110004-BLK1)

Prepared: Sep-23-11 Analyzed: Oct-26-11

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD RPD	RPD Limit
Surrogate: Pyridine-d5	0.12				mg/L	0.6024		20.0	20-73.9		
Surrogate: 2-Fluorophenol	0.083				"	0.6024		13.8	20-76.3		
Surrogate: Phenol-d5	0.079				"	0.6024		13.0	20-71.2		
Surrogate: Nitrobenzene-d5	0.20				"	0.6024		33.4	33.7-99.1		
Surrogate: 2-Fluorobiphenyl	0.22				"	0.6024		36.5	33.9-107		
Surrogate: 2,4,6-Tribromophenol	0.013				"	0.6024		2.16	51.9-125		
Surrogate: Terphenyl-d14	0.53				"	0.6024		88.5	50-134		

LCS (B110004-BS1)

Prepared: Sep-23-11 Analyzed: Oct-26-11

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD RPD	RPD Limit
Pyridine	0.15			0.13	mg/L	0.6667		22.6	20-83.9		
2-Methylphenol	0.19			0.027	"	0.6667		29.2	30-90		
3- &/ or 4-Methylphenol	0.37			0.053	"	1.333		27.7	29.6-89.6		
Hexachloroethane	0.21			0.027	"	0.6667		30.8	28.9-88.9		
Nitrobenzene	0.22			0.027	"	0.6667		33.1	33.8-98.6		
Hexachlorobutadiene	0.22			0.027	"	0.6667		33.0	31.2-91.8		
2,4,6-Trichlorophenol	0.23			0.027	"	0.6667		34.6	35.7-120		
2,4,5-Trichlorophenol	0.26			0.027	"	0.6667		38.3	41.5-126		
2,4-Dinitrotoluene	0.46			0.027	"	0.6667		69.6	54.5-136		
Hexachlorobenzene	0.40			0.027	"	0.6667		59.4	48-126		
Pentachlorophenol	0.89	J		0.13	"	0.6667		133	55.7-130		

Surrogate: Pyridine-d5	0.16			"	0.6667		24.4	20-73.9
Surrogate: 2-Fluorophenol	0.16			"	0.6667		23.6	20-76.3
Surrogate: Phenol-d5	0.13			"	0.6667		18.8	20-71.2
Surrogate: Nitrobenzene-d5	0.22			"	0.6667		33.1	33.7-99.1
Surrogate: 2-Fluorobiphenyl	0.23			"	0.6667		34.0	33.9-107



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US EPA Region 5 Chicago Regional Laboratory

Batch B110004 - Solvent Extraction

LCS (B110004-BS1)

Prepared: Sep-23-11 Analyzed: Oct-26-11

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Surrogate: 2,4,6-Tribromophenol	0.43				mg/L	0.6667		64.9	51.9-125		
Surrogate: Terphenyl-d14	0.55				"	0.6667		82.2	50-134		

LCS Dup (B110004-BSD1)

Prepared: Sep-23-11 Analyzed: Oct-26-11

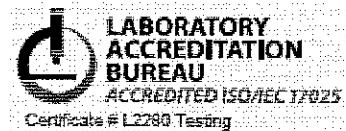
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Pyridine	U			0.12	mg/L	0.6098		20-83.9		124.8	
2-Methylphcnol	0.21			0.024	"	0.6098		35.2	30-90	18.4	30
3- &/or 4-Methylphenol	0.38			0.049	"	1.220		30.8	29.6-89.6	10.5	30
Hexachloroethane	0.22			0.024	"	0.6098		35.6	28.9-88.9	14.3	30
Nitrobenzene	0.23			0.024	"	0.6098		38.4	33.8-98.6	14.9	30
Hexachlorohutadiene	0.23			0.024	"	0.6098		37.1	31.2-91.8	11.5	30
2,4,6-Trichlorophenol	0.29			0.024	"	0.6098		47.1	35.7-120	30.4	30
2,4,5-Trichlorophenol	0.32			0.024	"	0.6098		53.0	41.5-126	32.2	30
2,4-Dinitrotoluene	0.49			0.024	"	0.6098		79.9	54.5-136	13.9	30
Hexachlorobenzene	0.43			0.024	"	0.6098		70.8	48-126	17.5	30
Pentachlorophenol	0.90	J		0.12	"	0.6098		147	55.7-130	9.90	30

Surrogate: Pyridine-d5	0.054			"	0.6098		8.80	20-73.9			
Surrogate: 2-Fluorophenol	0.16			"	0.6098		26.2	20-76.3			
Surrogate: Phenol-d5	0.13			"	0.6098		20.9	20-71.2			
Surrogate: Nitrobenzene-d5	0.24			"	0.6098		38.6	33.7-99.1			
Surrogate: 2-Fluorobiphenyl	0.25			"	0.6098		40.9	33.9-107			
Surrogate: 2,4,6-Tribromophenol	0.48			"	0.6098		78.9	51.9-125			
Surrogate: Terphenyl-d14	0.55			"	0.6098		89.6	50-134			



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 Project Manager: Mike Beedle

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Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110004 - Solvent Extraction

Matrix Spike (B110004-MS1)

Source: 1109008-03

Prepared: Sep-23-11 Analyzed: Oct-26-11

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Pyridine	0.15			0.12	mg/L	0.6250	U	23.4	20-83.9		
2-Methylphenol	0.22			0.025	"	0.6250	U	34.7	30-90		
3- &/or 4-Methylphenol	0.40			0.050	"	1.250	U	32.3	29.6-89.6		
Hexachloroethane	0.25			0.025	"	0.6250	U	39.8	28.9-88.9		
Nitrobenzene	0.27			0.025	"	0.6250	U	43.3	33.8-98.6		
Hexachlorobutadiene	0.25			0.025	"	0.6250	U	40.5	31.2-91.8		
2,4,6-Trichlorophenol	0.28			0.025	"	0.6250	U	45.6	35.7-120		
2,4,5-Trichlorophenol	0.30			0.025	"	0.6250	U	47.8	41.5-126		
2,4-Dinitrotoluene	0.38			0.025	"	0.6250	U	61.3	54.5-136		
Hexachlorobenzene	0.37			0.025	"	0.6250	U	59.5	48-126		
Pentachlorophenol	0.79	K		0.12	"	0.6250	U	127	55.7-130		

Surrogate: Pyridine-d5

0.17

"

0.6250

27.3 20-73.9

Surrogate: 2-Fluorophenol

0.17

"

0.6250

26.9 20-76.3

Surrogate: Phenol-d5

0.14

"

0.6250

22.9 20-71.2

Surrogate: Nitrobenzene-d5

0.27

"

0.6250

42.6 33.7-99.1

Surrogate: 2-Fluorobiphenyl

0.29

"

0.6250

46.0 33.9-107

Surrogate: 2,4,6-Tribromophenol

0.41

"

0.6250

65.6 51.9-125

Surrogate: Terphenyl-d14

0.40

"

0.6250

64.5 50-134

Matrix Spike Dup (B110004-MSD1)

Source: 1109008-03

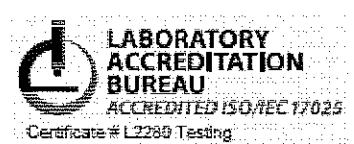
Prepared: Sep-23-11 Analyzed: Oct-26-11

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Pyridine	0.22			0.13	mg/L	0.6329	U	34.2	20-83.9	37.5	124.8
2-Methylphenol	0.27			0.025	"	0.6329	U	42.9	30-90	21.1	30
3- &/or 4-Methylphenol	0.47			0.051	"	1.266	U	37.5	29.6-89.6	14.9	30
Hexachloroethane	0.30			0.025	"	0.6329	U	46.8	28.9-88.9	16.1	30



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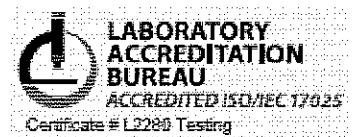
Batch B110004 - Solvent Extraction

Matrix Spike Dup (B110004-MSD1)		Source: 1109008-03		Prepared: Sep-23-11 Analyzed: Oct-26-11						
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits RPD	RPD Limit
Nitrobenzene	0.32			0.025	mg/L	0.6329	U	51.0 33.8-98.6	16.5 30	
Hexachlorobutadiene	0.30			0.025	"	0.6329	U	47.9 31.2-91.8	16.7 30	
2,4,6-Trichlorophenol	0.33			0.025	"	0.6329	U	52.4 35.7-120	14.0 30	
2,4,5-Trichlorophenol	0.35			0.025	"	0.6329	U	55.1 41.5-126	14.1 30	
2,4-Dinitrotoluene	0.43			0.025	"	0.6329	U	67.2 54.5-136	9.09 30	
Hexachlorobenzene	0.41			0.025	"	0.6329	U	64.1 48-126	7.38 30	
Pentachlorophenol	0.84	K		0.13	"	0.6329	U	133 55.7-130	4.78 30	
<i>Surrogate: Pyridine-d5</i>	0.22				"	0.6329		34.9 20-73.9		
<i>Surrogate: 2-Fluorophenol</i>	0.22				"	0.6329		34.5 20-76.3		
<i>Surrogate: Phenol-d5</i>	0.18				"	0.6329		27.7 20-71.2		
<i>Surrogate: Nitrobenzene-d5</i>	0.31				"	0.6329		49.1 33.7-99.1		
<i>Surrogate: 2-Fluorobiphenyl</i>	0.32				"	0.6329		50.5 33.9-107		
<i>Surrogate: 2,4,6-Tribromophenol</i>	0.47				"	0.6329		74.6 51.9-125		
<i>Surrogate: Terphenyl-d14</i>	0.46				"	0.6329		72.8 50-134		



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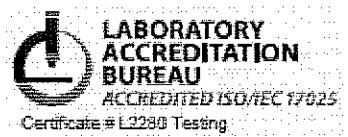
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Chicago IL, 60604

Project: Blue Island Phenols
Project Number: [none]
Project Manager: Mike Beedle

Reported:
Nov-29-11 11:26

Notes and Definitions

- R Rejected
- K The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
- J The identification of the analyte is acceptable; the reported value is an estimate.
- U Not Detected
- NR Not Reported

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Default Report (not modified) VERSION 6.08:2014
	SVOA Expanded List	(Soil)	RPD calculations based on %Recovery
	SVOA Expanded List	(Soil)	Special Units: (ug/kg)
	TCLP - SVOA by end-over-end r	(Water)	RPD calculations based on %Recovery
	TCLP - SVOA by end-over-end r	(Water)	Special Units: (mg/L)
1109008-01	TCLP - SVOA by end-over-end r		Sampled->Prepared > 7.00 days
1109008-01	TCLP - SVOA by end-over-end r	2,4,6-Tribromophenol	Exceeds lower control limit
1109008-01	TCLP - SVOA by end-over-end r	2-Fluorobiphenyl	Exceeds lower control limit
1109008-01	TCLP - SVOA by end-over-end r	Phenol-d5	Exceeds lower control limit
1109008-02	TCLP - SVOA by end-over-end r		Sampled->Prepared > 7.00 days
1109008-02	TCLP - SVOA by end-over-end r	2,4,6-Tribromophenol	Exceeds lower control limit
1109008-02	TCLP - SVOA by end-over-end r	2-Fluorobiphenyl	Exceeds lower control limit
1109008-02	TCLP - SVOA by end-over-end r	2-Fluorophenol	Exceeds lower control limit
1109008-02	TCLP - SVOA by end-over-end r	Phenol-d5	Exceeds lower control limit
1109008-03	TCLP - SVOA by end-over-end r		Sampled->Prepared > 7.00 days
1109008-03	TCLP - SVOA by end-over-end r	2,4,6-Tribromophenol	Exceeds lower control limit
1109008-03	TCLP - SVOA by end-over-end r	2-Fluorobiphenyl	Exceeds lower control limit
1109008-03	TCLP - SVOA by end-over-end r	2-Fluorophenol	Exceeds lower control limit
1109008-03	TCLP - SVOA by end-over-end r	Phenol-d5	Exceeds lower control limit
1109008-04	TCLP - SVOA by end-over-end r		Sampled->Prepared > 7.00 days
1109008-04	TCLP - SVOA by end-over-end r	Pyridine-d5	Exceeds lower control limit
1109008-05	TCLP - SVOA by end-over-end r		Sampled->Prepared > 7.00 days
1109008-05	TCLP - SVOA by end-over-end r	Pyridine-d5	Exceeds lower control limit
1109008-08	TCLP - SVOA by end-over-end r		Sampled->Prepared > 7.00 days
1109008-08	TCLP - SVOA by end-over-end r	2,4-Dinitrotoluene	R: Rejected
1109008-08	TCLP - SVOA by end-over-end r	Hexachlorobenzene	R: Rejected
1109008-08	TCLP - SVOA by end-over-end r	Hexachlorobutadiene	R: Rejected
1109008-08	TCLP - SVOA by end-over-end r	Hexachloroethane	R: Rejected
1109008-08	TCLP - SVOA by end-over-end r	Nitrobenzene	R: Rejected
1109008-08	TCLP - SVOA by end-over-end r	Pyridine	R: Rejected
1109008-09	TCLP - SVOA by end-over-end r		Soil batched as Water
1109008-09	TCLP - SVOA by end-over-end r	2,4,6-Tribromophenol	No spike level
1109008-09	TCLP - SVOA by end-over-end r	2-Fluorobiphenyl	No spike level
1109008-09	TCLP - SVOA by end-over-end r	2-Fluorophenol	No spike level
1109008-09	TCLP - SVOA by end-over-end r	Nitrobenzene-d5	No spike level
1109008-09	TCLP - SVOA by end-over-end r	Phenol-d5	No spike level
1109008-09	TCLP - SVOA by end-over-end r	Pyridine-d5	No spike level
1109008-09	TCLP - SVOA by end-over-end r	Terphenyl-d14	No spike level
B110002-BLK1	SVOA Expanded List	2,4,6-Tribromophenol	Exceeds lower control limit
B110002-BLK1	SVOA Expanded List	2-Fluorobiphenyl	Exceeds lower control limit
B110002-BLK1	SVOA Expanded List	2-Fluorophenol	Exceeds lower control limit
B110002-BLK1	SVOA Expanded List	Nitrobenzene-d5	Exceeds lower control limit
B110002-BLK1	SVOA Expanded List	Phenol-d5	Exceeds lower control limit
B110002-BLK2	SVOA Expanded List	2,4,6-Tribromophenol	Exceeds lower control limit
B110002-BLK2	SVOA Expanded List	2-Fluorobiphenyl	Exceeds lower control limit
B110002-BLK2	SVOA Expanded List	2-Fluorophenol	Exceeds lower control limit
B110002-BLK2	SVOA Expanded List	Nitrobenzene-d5	Exceeds lower control limit
B110002-BLK2	SVOA Expanded List	Phenol-d5	Exceeds lower control limit

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
B110002-BS1	SVOA Expanded List	1,2,4,5-Tetrachlorobenzene	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	1,2,4-Trichlorobenzene	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	1,3-Dinitrobenzene	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	2,4,5-Trichlorophenol	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	2,4,6-Trichlorophenol	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	2,4-Dichlorophenol	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	2,4-Dimethylphenol	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	2,6-Dichlorophenol	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	2-Chloronaphthalene	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	2-Methylnaphthalene	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	2-Nitroaniline	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	2-Nitrophenol	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	3-&/or 4-Methylphenol	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	3,3'-Dimethylbenzidine	Spike recovery below MDL
B110002-BS1	SVOA Expanded List	4-Chloro-3-methylphenol	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	4-Chlorophenylphenyl ether	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	4-Nitroaniline	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Acenaphthene	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Acenaphthylene	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Acetophenone	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Benzidine	Spike recovery below MDL
B110002-BS1	SVOA Expanded List	Bis(2-chloroethoxy)methane	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Bis(2-chloroisopropyl)ether	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Oihenzofuran	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Di-n-butylphthalate	Spike recovery below MDL
B110002-BS1	SVOA Expanded List	Fluorene	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Hexachlorobutadiene	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Isophorone	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Isosafrole	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Naphthalene	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Nitrobenzene	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	N-Nitrosodi-n-butylamine	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	N-Nitroso-di-n-propylamine	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	N-Nitrosopiperidine	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	N-Nitrosopyrrolidine	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Pentachlorobenzene	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Phenol-d5	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Safrole	Exceeds lower control limit
B110002-BSD1	SVOA Expanded List	1,2,4,5-Tetrachlorobenzene	Exceeds RPD control limit
B110002-BSD1	SVOA Expanded List	1,2,4-Trichlorobenzene	Exceeds RPD control limit
B110002-BSD1	SVOA Expanded List	2,4-Dichlorophenol	Exceeds RPD control limit
B110002-BSD1	SVOA Expanded List	2,4-Dimethylphenol	Exceeds RPD control limit
B110002-BSD1	SVOA Expanded List	2-Methylnaphthalene	Exceeds RPD control limit
B110002-BSD1	SVOA Expanded List	2-Nitrophenol	Exceeds RPD control limit
B110002-BSD1	SVOA Expanded List	2-Picoline	Exceeds RPD control limit
B110002-BSD1	SVOA Expanded List	3,3'-Dimethylbenzidine	Spike recovery below MDL
B110002-BSD1	SVOA Expanded List	Benzidine	Spike recovery below MDL
B110002-BSD1	SVOA Expanded List	Bis(2-chloroethyl)ether	Exceeds RPD control limit
B110002-BSD1	SVOA Expanded List	Di-n-butylphthalate	Spike recovery below MDL
B110002-BSD1	SVOA Expanded List	Hexachlorobutadiene	Exceeds RPD control limit

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
B110002-BSD1	SVOA Expanded List	Hexachloropropene	Exceeds RPD control limit
B110002-BSD1	SVOA Expanded List	Isophorone	Exceeds RPD control limit
B110002-BSD1	SVOA Expanded List	Nitrobenzene	Exceeds RPD control limit
B110002-BSD1	SVOA Expanded List	N-Nitrosodi-n-hutylamine	Exceeds RPD control limit
B110002-MS1	SVOA Expanded List	1,2,4,5-Tetrachlorobenzene	Spike less than MDL
B110002-MS1	SVOA Expanded List	1,2,4-Trichlorobenzene	Spike less than MDL
B110002-MS1	SVOA Expanded List	1,2-Dichlorobenzene	Spike less than MDL
B110002-MS1	SVOA Expanded List	1,3,5-Trinitrobenzene	Spike less than MDL
B110002-MS1	SVOA Expanded List	1,3-Dichlorobenzene	Spike less than MDL
B110002-MS1	SVOA Expanded List	1,3-Dinitrobenzene	Spike less than MDL
B110002-MS1	SVOA Expanded List	1,4-Dichlorobenzene	Spike less than MDL
B110002-MS1	SVOA Expanded List	2,3,4,6-Tetrachlorophenol	Exceeds upper control limit
B110002-MS1	SVOA Expanded List	2,3,4,6-Tetrachlorophenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	2,4,5-Trichlorophenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	2,4,6-Trichlorophenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	2,4-Dichlorophenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	2,4-Dimethylphenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	2,4-Dinitrophenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	2,4-Dinitrotoluene	Spike less than MDL
B110002-MS1	SVOA Expanded List	2,6-Dichlorophenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	2,6-Dinitrotoluene	Spike less than MDL
B110002-MS1	SVOA Expanded List	2-Acetylaminofluorene	Spike less than MDL
B110002-MS1	SVOA Expanded List	2-Chloronaphthalene	Spike less than MDL
B110002-MS1	SVOA Expanded List	2-Chlorophenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	2-Methylnaphthalene	Spike less than MDL
B110002-MS1	SVOA Expanded List	2-Methylphenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	2-Nitroaniline	Spike less than MDL
B110002-MS1	SVOA Expanded List	2-Nitrophenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	2-Picoline	Spike less than MDL
B110002-MS1	SVOA Expanded List	3-&/or 4-Methylphenol	Exceeds upper control limit
B110002-MS1	SVOA Expanded List	3-&/or 4-Methylphenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	3,3'-Dichlorobenzidine	Spike less than MDL
B110002-MS1	SVOA Expanded List	3,3'-Dimethylbenzidine	Spike less than MDL
B110002-MS1	SVOA Expanded List	3-Methylcholanthrene	Spike less than MDL
B110002-MS1	SVOA Expanded List	3-Nitroaniline	Spike less than MDL
B110002-MS1	SVOA Expanded List	4,6-Dinitro-2-methylphenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	4-Bromophenyl phenyl ether	Spike less than MDL
B110002-MS1	SVOA Expanded List	4-Chloro-3-methylphenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	4-Chloroaniline	Spike less than MDL
B110002-MS1	SVOA Expanded List	4-Chlorophenylphenyl ether	Spike less than MDL
B110002-MS1	SVOA Expanded List	4-Nitroaniline	Spike less than MDL
B110002-MS1	SVOA Expanded List	4-Nitrophenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	5-Nitro-o-toluidine	Spike less than MDL
B110002-MS1	SVOA Expanded List	Acenaphthene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Acenaphthylene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Acetophenone	Exceeds lower control limit
B110002-MS1	SVOA Expanded List	Acetophenone	Spike less than MDL
B110002-MS1	SVOA Expanded List	Aniline	Spike less than MDL
B110002-MS1	SVOA Expanded List	Anthracene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Azobenzene	Exceeds upper control limit

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
B110002-MS1	SVOA Expanded List	Azobenzene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Benzidine	Spike less than MDL
B110002-MS1	SVOA Expanded List	Benzo (a) anthracene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Benzo(a)pyrene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Benzo(b)fluoranthene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Benzo(g,h,i)perylene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Benzo(k)fluoranthene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Bis(2-chloroethoxy)methane	Spike less than MDL
B110002-MS1	SVOA Expanded List	Bis(2-chloroethyl)ether	Spike less than MDL
B110002-MS1	SVOA Expanded List	Bis(2-chloroisopropyl)ether	Spike less than MDL
B110002-MS1	SVOA Expanded List	Bis(2-ethylhexyl)phthalate	Spike less than MDL
B110002-MS1	SVOA Expanded List	Butylbenzylphthalate	Spike less than MDL
B110002-MS1	SVOA Expanded List	Carbazole	Spike less than MDL
B110002-MS1	SVOA Expanded List	Chlorobenzilate	Spike less than MDL
B110002-MS1	SVOA Expanded List	Chrysene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Diallate (cis or trans)	Spike less than MDL
B110002-MS1	SVOA Expanded List	Dibenz(a,h)anthracene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Dibenzofuran	Spike less than MDL
B110002-MS1	SVOA Expanded List	Diethylphthalate	Spike less than MDL
B110002-MS1	SVOA Expanded List	Dimethylphthalate	Spike less than MDL
B110002-MS1	SVOA Expanded List	Di-n-hutylphthalate	Spike less than MDL
B110002-MS1	SVOA Expanded List	Di-n-octylphthalate	Spike less than MDL
B110002-MS1	SVOA Expanded List	Dinoseb	Spike less than MDL
B110002-MS1	SVOA Expanded List	Diphenylamine	Spike less than MDL
B110002-MS1	SVOA Expanded List	Ethyl methanesulfonate	Spike less than MDL
B110002-MS1	SVOA Expanded List	Fluoranthene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Fluorene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Hexachlorobenzene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Hexachlorobutadiene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Hexachlorocyclopentadiene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Hexachloroethane	Spike less than MDL
B110002-MS1	SVOA Expanded List	Hexachloropropene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Indeno(1,2,3-cd)pyrene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Isodrin	Spike less than MDL
B110002-MS1	SVOA Expanded List	Isophorone	Spike less than MDL
B110002-MS1	SVOA Expanded List	Isosafrole	Spike less than MDL
B110002-MS1	SVOA Expanded List	Naphthalene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Nitrobenzene	Spike less than MDL
B110002-MS1	SVOA Expanded List	N-Nitrosodiethylamine	Spike less than MDL
B110002-MS1	SVOA Expanded List	N-Nitrosodimethylamine	Spike less than MDL
B110002-MS1	SVOA Expanded List	N-Nitrosodi-n-butylamine	Spike less than MDL
B110002-MS1	SVOA Expanded List	N-Nitroso-di-n-propylamine	Spike less than MDL
B110002-MS1	SVOA Expanded List	N-Nitrosomethyl ethylamine	Spike less than MDL
B110002-MS1	SVOA Expanded List	N-Nitrosopiperidine	Spike less than MDL
B110002-MS1	SVOA Expanded List	N-Nitrosopyrrolidine	Spike less than MDL
B110002-MS1	SVOA Expanded List	o-Toluidine	Spike less than MDL
B110002-MS1	SVOA Expanded List	p-Dimethylaminoazobenzene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Pentachlorobenzene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Pentachloroethane	Spike less than MDL
B110002-MS1	SVOA Expanded List	Pentachloronitrobenzene	Spike less than MDL

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
B110002-MS1	SVOA Expanded List	Pentachlorophenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	Phenacetin	Spike less than MDL
B110002-MS1	SVOA Expanded List	Phenanthrene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Phenol	Exceeds lower control limit
B110002-MS1	SVOA Expanded List	Phenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	Pronamide	Spike less than MDL
B110002-MS1	SVOA Expanded List	Pyrene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Pyridine	Spike less than MDL
B110002-MS1	SVOA Expanded List	Safrole	Spike less than MDL
B110002-MSD1	SVOA Expanded List	1,2,4,5-Tetrachlorobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	1,2,4-Trichlorobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	1,2-Dichlorobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	1,3,5-Trinitrobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	1,3-Dichlorobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	1,3-Dinitrobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	1,4-Dichlorobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2,3,4,6-Tetrachlorophenol	Exceeds upper control limit
B110002-MSD1	SVOA Expanded List	2,3,4,6-Tetrachlorophenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2,4,5-Trichlorophenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2,4,6-Trichlorophenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2,4-Dichlorophenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2,4-Dimethylphenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2,4-Dinitrophenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2,4-Dinitrotoluene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2,6-Dichlorophenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2,6-Dinitrotoluene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2-Acetylaminofluorene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2-Chloronaphthalene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2-Chlorophenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2-Methylnaphthalene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2-Methylphenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2-Nitroaniline	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2-Nitrophenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2-Picoline	Spike less than MDL
B110002-MSD1	SVOA Expanded List	3-&/or 4-Methylphenol	Exceeds upper control limit
B110002-MSD1	SVOA Expanded List	3-&/or 4-Methylphenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	3,3'-Dichlorobenzidine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	3,3'-Dimethylbenzidine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	3-Methylcholanthrene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	3-Nitroaniline	Spike less than MDL
B110002-MSD1	SVOA Expanded List	4,6-Dinitro-2-methyphenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	4-Bromophenyl phenyl ether	Spike less than MDL
B110002-MSD1	SVOA Expanded List	4-Chloro-3-methylphenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	4-Chloroaniline	Spike less than MDL
B110002-MSD1	SVOA Expanded List	4-Chlorophenylphenyl ether	Spike less than MDL
B110002-MSD1	SVOA Expanded List	4-Nitroaniline	Spike less than MDL
B110002-MSD1	SVOA Expanded List	4-Nitrophenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	5-Nitro-o-toluidine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Acenaphthene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Acenaphthylene	Spike less than MDL

Items for Project Manager Review

LahNumber	Analysis	Analyte	Exception
B110002-MSD1	SVOA Expanded List	Acetophenone	Exceeds lower control limit
B110002-MSD1	SVOA Expanded List	Acetophenone	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Aniline	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Anthracene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Azobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Benzidine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Benzo (a) anthracene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Benzo(a)pyrene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Benzo(b)fluoranthene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Benzo(g,h,i)perylene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Benzo(k)fluoranthene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Bis(2-chloroethoxy)methane	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Bis(2-chloroethyl)ether	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Bis(2-chloroisopropyl)ether	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Bis(2-ethylhexyl)phthalate	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Butylbenzylphthalate	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Carbazole	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Chlorohenzilate	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Chrysene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Diallate (cis or trans)	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Dibenz(a,h)anthracene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Dibenzo furan	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Diethylphthalate	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Dimethylphthalate	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Di-n-butylphthalate	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Di-n-octylphthalate	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Dinoseb	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Diphenylamine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Ethyl methanesulfonate	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Fluoranthene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Fluorene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Hexachlorobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Hexachlorbutadiene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Hexachlorocyclopentadiene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Hexachloroethane	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Hexachloropropene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Indeno(1,2,3-cd)pyrene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Isodrin	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Isophorone	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Isosafrole	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Naphthalene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Nitrobenzene	Exceeds upper cntrnl limit
B110002-MSD1	SVOA Expanded List	Nitrobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	N-Nitrosodiethylamine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	N-Nitrosodimethylamine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	N-Nitrosodi-n-butylamine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	N-Nitroso-di-n-propylamine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	N-Nitrosomethyl ethylamine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	N-Nitrosopiperidine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	N-Nitrosopyrrolidine	Spike less than MDL

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
B110002-MSD1	SVOA Expanded List	o-Toluidine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	p-Dimethylaminoazobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Pentachlorobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Pentachloroethane	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Pentachloronitrobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Pentachlorophenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Phenacetin	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Phenanthrene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Phenol	Exceeds upper control limit
B110002-MSD1	SVOA Expanded List	Phenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Pronamide	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Pyrene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Pyridine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Safrole	Spike less than MDL
B110004-BLK1	TCLP - SVOA by end-over-end r2,4,6-Tribromophenol		Exceeds lower control limit
B110004-BLK1	TCLP - SVOA by end-over-end r2-Fluorophenol		Exceeds lower control limit
B110004-BLK1	TCLP - SVOA by end-over-end rNitrobenzene-d5		Exceeds lower control limit
B110004-BLK1	TCLP - SVOA by end-over-end rPhenol-d5		Exceeds lower control limit
B110004-BS1	TCLP - SVOA by end-over-end r2,4,5-Trichlorophenol		Exceeds lower control limit
B110004-BS1	TCLP - SVOA by end-over-end r2,4,6-Trichlorophenol		Exceeds lower control limit
B110004-BS1	TCLP - SVOA by end-over-end r2-Methylphenol		Exceeds lower control limit
B110004-BS1	TCLP - SVOA by end-over-end r3- &/or 4-Methyphenol		Exceeds lower control limit
B110004-BS1	TCLP - SVOA by end-over-end rNitrobenzene		Exceeds lower control limit
B110004-BS1	TCLP - SVOA by end-over-end rNitrobenzene-d5		Exceeds lower control limit
B110004-BS1	TCLP - SVOA by end-over-end rPentachlorophenol		Exceeds upper control limit
B110004-BS1	TCLP - SVOA by end-over-end rPhenol-d5		Exceeds lower control limit
B110004-BSD1	TCLP - SVOA by end-over-end r2,4,5-Trichlorophenol		Exceeds RPD control limit
B110004-BSD1	TCLP - SVOA by end-over-end r2,4,6-Trichlorophenol		Exceeds RPD control limit
B110004-BSD1	TCLP - SVOA by end-over-end rPentachlorophenol		Exceeds upper control limit
B110004-BSD1	TCLP - SVOA by end-over-end rPyridine		Spike recovery below MDL
B110004-BSD1	TCLP - SVOA by end-over-end rPyridine-d5		Exceeds lower control limit
B110004-MS1	TCLP - SVOA by end-over-end rPentachlorophenol		K: The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
B110004-MSD1	TCLP - SVOA by end-over-end rPentachlorophenol		Exceeds upper control limit
B110004-MSD1	TCLP - SVOA by end-over-end rPentachlorophenol		K: The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.

Sample, Log and Extraction Comments

1109008-01

TCLP - SVOA by end-over-end rotator extraction

pH = 8, report non-TCLP analytes
pH = 8, report non-TCLP analytes

1109008-02

TCLP - SVOA by end-over-end rotator extraction

pH = 8, report non-TCLP analytes
pH = 8, report non-TCLP analytes

1109008-03

TCLP - SVOA by end-over-end rotator extraction

pH = 8, report non-TCLP analytes
pH = 8, report non-TCLP analytes

1109008-04

TCLP - SVOA by end-over-end rotator extraction

pH = 8, report non-TCLP analytes
pH = 8, report non-TCLP analytes

1109008-05

TCLP - SVOA by end-over-end rotator extraction

pH = 8, report non-TCLP analytes
pH = 8, report non-TCLP analytes

1109008-06

SVOA Expanded List

pH = 8
pH = 8

1109008-08

TCLP - SVOA by end-over-end rotator extraction

report non-TCLP analytes
report non-TCLP analytes

